DIP SWITCH	3x10100 4x10100 I:10099	????			UINT16 R/O	
Returns the current setting of the Dip switches. For ULTRA SLIM IOs The current value of the DIP switches: Bit 0: DIP Switch 1 (=0:OFF, =1:ON) Bit 1: DIP Switch 2 (=0:OFF, =1:ON) Bit 2: DIP Switch 3 (=0:OFF, =1:ON) Bit 3: DIP Switch 4 (=0:OFF, =1:ON) For BIG IOs: The current value of the DIP switches: Bit 0: DIP Switch 1 (=0:OFF, =1:ON) Bit 1: DIP Switch 2 (=0:OFF, =1:ON) Bit 2: DIP Switch 3 (=0:OFF, =1:ON) Bit 3: DIP Switch 4 (=0:OFF, =1:ON) Bit 4: DIP Switch 5 (=0:OFF, =1:ON) Bit 5: DIP Switch 6 (=0:OFF, =1:ON) Bit 6: DIP Switch 7 (=0:OFF, =1:ON) Bit 7: DIP Switch 8 (=0:OFF, =1:ON)						
PRODUCT DATA						
HW_GROUP	3x65201 4x65201 I:65200	????			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x65202 4x65202 I:65201	????			UINT16 R/O	
This is the group of software of the current product						
SW_VERSION	3x65203 4x65203 I:65202	????			UINT16 R/O	
		????				
This is the current software version of the firmware						
SW_AUTHOR	3x65204 4x65204 I:65203	????			UINT16 R/O	
This is the current software author of the firmware						
MODBUS SETTINGS						
UNIT_ID	3x65222 4x65222 I:65221	????			UINT16 R/O	
		UNIT ID:0				
f the host reads this register, the current defined unit ID is returned.						

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FLASH UNIT_ID	3x65223 4x65223 I:65222	????		27	UINT16 R/W	NO
		UNIT ID:0				
f the host reads this register, the current defined unit ID from the FLASH is returned. THis UnitID is used if DIP switch for UnitID is set to 15						
HINT:This settings will be active after you repower or reset your device !!						
BAUD_RATE	3x65224 4x65224 I:65223	????	57600	57600	UINT32 R/W	NO
		0Bd		ENTER BAUD RATE		
This is the current configured baud rate in the FLASH For ULTRA SLIM IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP1=ON+DIP2=ON (BR) (default is 57600bd) For BIG IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP7=ON (PARAMETER) (default is 57600bd)						
Valid baud rates are: 300bd, 600bd, 900bd, 1200bd, 2400bd, 4800bd, 9600bd, 19200bd, 38400bd, 57600bd, 115200bd, 128000bd 230400bd, 250000bd, 256000bd						
HINT:This settings will be active after you repower or reset your device !!						
PARITY	3x65226 4x65226 I:65225	????		1:EVEN PARITY	UINT16 R/W	NO
		????		SELECT PARITY		
If the register is read out, the currently set parity of the serial interface is returned. Writing a value to this register will change the new parity in FLASH. This will only take effect after a restart of the module. This can be triggered by writing to the RESET SYSTEM register. Parity values are 0: no parity 1: even parity 2: odd parity						
STOP BITS	3x65227 4x65227 I:65226	????		2:TWO STOPBITS	UINT16 R/W	NO
		????		SELECT STOPBITS		
f the register is read out, the currently set number of stop bits of the serial interface is returned. Writing a value to this register will change the new number of stop bits in the FLASH. This will only take effect after a restart of the module. This can be triggered by writing to the RESET SYSTEM register. Values for stop bits are 1: one stop bit 2: two stop bits						
CPU DATA						
SERIAL1	3x65521 4x65521 I:65520	????			UINT16 R/O	

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Serial number of module as 96 bit unsigned integer number						
SERIAL2	3x65522 4x65522 I:65521	????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL3	3x65523 4x65523 I:65522	????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL4	3x65524 4x65524 I:65523	????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL5	3x65525 4x65525 I:65524	????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL6	3x65526 4x65526 I:65525	????			UINT16 R/O	
		SERIAL:????????????????????????				
Serial number of module as 96 bit unsigned integer number						
CPU TEMPERATURE	3x65527 4x65527 I:65526	????			UINT16 R/O	
		Current internal temperature of CPU:0,0°C				
Current internal temperature of CPU in ° Celsius multiplied by 10.						
CPU VOLTAGE	3x65528 4x65528 I:65527	????			UINT16 R/O	
		Current supply voltage of CPU:0,00V				
Current internal supply voltage of CPU in Volt multiplied by 1000.						
CPU BATTERY	3x65529 4x65529 I:65528	????			UINT16 R/O	
		Current battery voltage of CPU:0,00V				
Current internal backup battery voltage of CPU in Volt multiplied by 1000.						
CONVERTER STATUS						
CONVERTER STATUS	3x65534 4x65534 I:65533	????			UINT16 R/O	
Current status of the converter						

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FACTORY RESET	3x65535 4x65535 I:65534	????		1:PERFORM FACTORY RESET	UINT16 R/W	YES
Performs a factory reset of all internal saved parameters						
SOFTWARE RESET						
RESET	1x65536 2x65536 I:65535	????		N/A:NO CHANGE	BIT R/W	NO
Performs a software reset, whenever 1 is written to this register. If the host writes to this register 1, the module executes a soft reset (reboot).						
RESET	3x65536 4x65535 I:65535	????		N/A:NO CHANGE	UINT16 R/W	NO
Performs a software reset, whenever 1 is written to this register. If the host writes to this register 1, the module executes a soft reset (reboot).						

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HEART BEAT	**ASCII READ COMMAND**	#HB<CR> Result: #HB<CR>	ASCII	
	TX	#HB<CR>		
	RX	#255,HB<CR>		
Sends an Heartbeat to test the communcation				
GET VERSION	**ASCII READ COMMAND**	#VERSION<CR> Result: #VERSION:<VersionHi>,<VersionMed>,<VersionLo><CR>	ASCII	
	TX	#VERSION<CR>		
	RX	#255,VERSION:1.2.00<CR>		
		Current SW version:1.2.00		
Returns the version number of the module VersionHi: Version number high (1..255) VersionMed: Version number medium (1..255) VersionLo: Version number low (1..255)				
GET TYPE	**ASCII READ COMMAND**	#TYPE<CR> Result: #TYPE:<Type><CR>	ASCII	
	TX	#TYPE<CR>		
	RX	#255,TYPE:RESI-16DI15DO-ETH<CR>		
		Current module type:RESI-16DI15DO-ETH		
Returns the current module type				
GET FEATURES	**ASCII READ COMMAND**	#FTRS<CR> Result: #FTRS:<Type><CR>	ASCII	
	TX	#FTRS<CR>		
	RX	#255,RESI-16DI15DO-ETH<CR>		
		Current module type:N/A		
		Number of digital inputs:N/A		
		Type of digital inputs:N/A		
Returns the current module type				
GET OWNER	**ASCII READ COMMAND**	#OWNER<CR> Result: #OWNER:<Owner><CR>	ASCII	
	TX	#OWNER<CR>		
	RX	#255,OWNER:RESI<CR>		
		Current owner:RESI		
Returns the current owner of the module				
GET CREATOR	**ASCII READ COMMAND**	#CREATOR<CR> Result: #CREATOR:<Creator><CR>	ASCII	
	TX	#CREATOR<CR>		
	RX	#255,CREATOR:DI HC SIGL,MSC<CR>		
		Current creator:DI HC SIGL,MSC		

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Returns the current creator of the module				
GET COPYRIGHT	**ASCII READ COMMAND**	#COPYRIGHT<CR> Result: #COPYRIGHT:<Copyright><CR>	ASCII	
	TX	#COPYRIGHT<CR>		
	RX	#255,COPYRIGHT:2015-22 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC<CR>		
		Current copyright:2015-22 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC		
Returns the current copyright of the module				
GET SERIAL NUMBER	**ASCII READ COMMAND**	#SN<CR> Result: #SN:<Serial><CR>	ASCII	
	TX	#SN<CR>		
	RX	#255,SN:31003E000A53554637303820<CR>		
		Current serial number:31003E000A53554637303820		
Returns the current serial number of the module				
GET INTERNAL STATUS	**ASCII READ COMMAND**	#INTSTAT<CR> Result: #INTSTAT:<Status><CR>	ASCII	
	TX	#INTSTAT<CR>		
	RX	#255,INTSTAT:<CR>		
Returns the device specific internal status				
GET DIP SWITCH	**ASCII READ COMMAND**	#GDIP<CR> Result: #GDIP:<DIPSwitchDec>,<DIPSwitchHex><CR>	ASCII	
	TX	#GDIP<CR>		
	RX	#255,<CR>		
		Current DIP SWITCH settings:0000.0000		
Returns the current setting of the Dip switches as decimal number and as hexadecimal number. DIPSwitchDec DIPSwitchHex The current value of the DIP switches: Bit 0: DIP Switch 1 (=0:OFF, =1:ON) Bit 1: DIP Switch 2 (=0:OFF, =1:ON) Bit 2: DIP Switch 3 (=0:OFF, =1:ON) Bit 3: DIP Switch 4 (=0:OFF, =1:ON) Bit 4: DIP Switch 5, if available (=0:OFF, =1:ON) Bit 5: DIP Switch 6, if available (=0:OFF, =1:ON) Bit 6: DIP Switch 7, if available (=0:OFF, =1:ON) Bit 7: DIP Switch 8, if available (=0:OFF, =1:ON)				
ASCII COMMANDS				
SET MODBUS ADDRESS	**ASCII WRITE COMMAND**	#SMBADR:<UNITID><CR> Result: #OK<CR>	ASCII	YES
	UNITID	123		
	TX	#SMBADR:123<CR>		
	RX	N/A		

Redefines the unit ID of the module. This change will affect the MODBUS/RTU communication immediately. As a Unit IO you can use the values 0dec to 255dec. HINT: The new settings are activated after a system reboot or power off on cycle!				
SET MODBUS BAUDRATE	**ASCII** **WRITE** **COMMAND**	#SMBBAUD:<BAUD><CR> Result: #OK<CR>	ASCII	NO
	BAUD	128000:128000BD		
	TX	#SMBBAUD:128000<CR>		
	RX	N/A		
Sets a new baud rate in the FLASH For ULTRA SLIM IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP1=ON+DIP2=ON (BR) (default is 57600bd) For BIG IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP7=ON (PARAMETER) (default is 57600bd) The following baudrates are allowed: 300bd, 600bd, 900bd, 1200bd, 2400bd, 4800bd, 9600bd, 19200bd, 38400bd, 57600bd, 115200bd, 128000bd 230400bd, 250000bd, 256000bd HINT: The new setup parameters will be active after a restart of the module.				
SET MODBUS PARITY	**ASCII** **WRITE** **COMMAND**	#SMBPAR:<PARITY><CR> Result: #OK<CR>	ASCII	NO
	PARITY	ODD:ODD PARITY		
	TX	#SMBPAR:ODD<CR>		
	RX	N/A		
Sets a new parity for the serial interface. MBParity: NONE: no parity EVEN: even parity ODD: odd parity HINT: The new setup parameters will be active after a restart of the module.				
SET MODBUS STOPS	**ASCII** **WRITE** **COMMAND**	#SMBSTOP:<STOPBIT><CR> Result: #OK<CR>	ASCII	NO
	STOPBIT	TWO:TWO STOPBITS		
	TX	#SMBSTOP:TWO<CR>		
	RX	N/A		

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Sets a new amount of stop bits for the serial interface.
MBStops
ONE: one stop bit
TWO: two stop bits

HINT: The new setup parameters will be active after a restart of the module.

SET MODBUS PARAMS	**ASCII WRITE COMMAND**	#SMBPARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> Result: #OK<CR>	ASCII	NO
	UNITID	3		
	BAUD	115200:115200BD		
	PARITY	EVEN:EVEN PARITY		
	STOPBIT	TWO:TWO STOPBITS		
	TX	#SMBPARAMS:3,115200,EVEN,TWO<CR>		
	RX	N/A		

Sets all parameters for serrial interface

GET MODBUS ADDRESS	**ASCII READ COMMAND**	#GMBADR<CR> Result: #GMBADR:<MBUnitDec>,<MBFLASHDec>,<MBUnitHex>,<MBFLASHHex><CR>	ASCII	
	TX	#GMBADR<CR>		
	RX	#255,GMBADR:255,15,0xFF,0xF<CR>		
		Current MODBUS unit ID:255,15,0xFF,0xF		

Shows the current used MODBUS/RTU or ASCII unit address and shows also the stored unit address in the FLASH memory, which is only used if the DIP switch for the bus address is set to 0.

MBUnitDec,MBUnitHex
The current used MODBUS/RTU unit or ASCII address for communication

MBFLASHDec,MBFLASHHex
The internal stored MODBUS/RTU unit address or ASCII address from the FLASH memory, if the DIP switch DIP3 is OFF.

GET MODBUS BAUDRATE	**ASCII READ COMMAND**	#GMBBAUD<CR> Result: #GMBBAUD:<BaudRate><CR>	ASCII	
	TX	#GMBBAUD<CR>		
	RX	#255,GMBBAUD:115200,0x1C200<CR>		
		Current baudrate:115200,0x1C200		

This is the current configured baud rate in the FLASH
For ULTRA SLIM IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP1=ON+DIP2=ON (BR) (default is 57600bd)
For BIG IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP7=ON (PARAMETER) (default is 57600bd)
The following baudrates are allowed:
300bd, 600bd, 900bd, 1200bd, 2400bd, 4800bd,
9600bd, 19200bd, 38400bd, 57600bd, 115200bd, 128000bd
230400bd, 250000bd, 256000bd

GET MODBUS PARITY	**ASCII READ COMMAND**	#GMBPAR<CR> Result: #GMBPAR:<MBParity><CR>	ASCII	
	TX	#GMBPAR<CR>		

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	RX	#255,GMBPAR:NONE<CR>		
		Current parity:NONE		
Shows the current configured parity of the serial interface. MBParity NONE: no parity EVEN: even parity ODD: odd parity				
GET MODBUS STOP	**ASCII READ COMMAND**	#GMBSTOP<CR> Result: #GMBSTOP:<MBStop><CR>	ASCII	
	TX	#GMBSTOP<CR>		
	RX	#255,GMBPAR:ONE<CR>		
		Current stopbit(s):ONE		
Shows the current configured parity of the serial interface. MBParity NONE: no parity EVEN: even parity ODD: odd parity				
GET MODBUS PARAMS	**ASCII READ COMMAND**	#GMBPARAMS<CR> Result: #GMBPARAMS:<MBUnitDec>,<MBFLASHDec>,<MBUnitHex>,<MBFLASHHex>, <MBBaudrateDec>,<MBBaudrateHex>,<MBParity>,<MBStops><CR>	ASCII	
	TX	#GMBPARAMS<CR>		
	RX	#255,GMBADR:255,0xFF,15,0xF,115200,0x1C200,NONE,ONE<CR>		
		Current MODBUS unit ID used:255		
		Current MODBUS unit ID in FLASH:15		
		Current baudrate in FLASH:115200		
		Current parity in FLASH:NONE		
		Current stopbit(s) in FLASH:ONE		
Returns the complete settings for serial interface				
ASCII COMMANDS				
RESET	**ASCII WRITE COMMAND**	#RST<CR> Result: #OK<CR>	ASCII	YES
	TX	#RST<CR>		
	RX	N/A		
Executes a software reset (Reboot) of the module.				
FACTORY RESET	**ASCII WRITE COMMAND**	#FRST<CR> Result: #OK<CR>	ASCII	NO
	TX	#FRST<CR>		
	RX	N/A		
Performs a factory reset of all internal saved parameters				

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WADTCHDOG TIMER	**ASCII WRITE COMMAND**	#WD:<WDTIME><CR> Result: #OK<CR>	ASCII	NO
	WDTIME	10		
	TX	#WD:10<CR>		
	RX	N/A		
Enables or disables the WATCHDOG Timer for the Raspberry Pi module. WDTIME: 1..3600000: Time for Watchdog in Milliseconds (Maximum 60 Minutes) =0: No Watchdog is generated HINT: The Watchdog is internally handled every 10ms, so every value below 10 will reset immediately the Raspberry Pi computer.				
CPU PARAMETERS				
GET CPU VOLTAGE	**ASCII READ COMMAND**	#GCPUTEMP<CR> Result: #GCPUTEMP:<CPUTemp><CR>	ASCII	
	TX	#GCPUTEMP<CR>		
	RX	#255,GCPUTEMP:42.9048<CR>		
		Current internal temperature of CPU:42.9048°C		
Current internal temperature of CPU in ° Celsius multiplied by 10.				
GET CPU VOLTAGE	**ASCII READ COMMAND**	#GCPUVOLT<CR> Result: #GCPUVOLT:<CPUVoltage><CR>	ASCII	
	TX	#GCPUVOLT<CR>		
	RX	#255,GCPUVOLT:3.3604<CR>		
		Current supply voltage of CPU:3.3604V		
Current internal supply voltage of CPU in Volt multiplied by 1000.				
GET CPU BATTERY	**ASCII READ COMMAND**	#GCPUBATT<CR> Result: #GCPUBATT:<CPUBatteryVoltage><CR>	ASCII	
	TX	#GCPUBATT<CR>		
	RX	#255,GCPUBATT:3.1812<CR>		
		Current backup battery voltage of CPU:3.1812V		
Current internal backup battery voltage of CPU in Volt multiplied by 1000.				

DI1	1x00001 2x00001 I:0	0,0x00 B:00			BIT R/O	
		Current state of DI1:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI2	1x00002 2x00002 I:1	0,0x00 B:00			BIT R/O	
		Current state of DI2:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI3	1x00003 2x00003 I:2	0,0x00 B:00			BIT R/O	
		Current state of DI3:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI4	1x00004 2x00004 I:3	0,0x00 B:00			BIT R/O	
		Current state of DI4:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI5	1x00005 2x00005 I:4	0,0x00 B:00			BIT R/O	
		Current state of DI5:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI6	1x00006 2x00006 I:5	0,0x00 B:00			BIT R/O	
		Current state of DI6:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI7	1x00007 2x00007 I:6	0,0x00 B:00			BIT R/O	
		Current state of DI7:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						

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DI8	1x00008 2x00008 I:7	0,0x00 B:00			BIT R/O	
		Current state of DI8:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI9	1x00009 2x00009 I:8	0,0x00 B:00			BIT R/O	
		Current state of DI9:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI10	1x00010 2x00010 I:9	0,0x00 B:00			BIT R/O	
		Current state of DI10:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI11	1x00011 2x00011 I:10	0,0x00 B:00			BIT R/O	
		Current state of DI11:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI12	1x00012 2x00012 I:11	0,0x00 B:00			BIT R/O	
		Current state of DI12:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI13	1x00013 2x00013 I:12	0,0x00 B:00			BIT R/O	
		Current state of DI13:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI14	1x00014 2x00014 I:13	0,0x00 B:00			BIT R/O	
		Current state of DI14:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						

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DI15	1x00015 2x00015 I:14	0,0x00 B:00			BIT R/O	
		Current state of DI15:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
DI16	1x00016 2x00016 I:15	0,0x00 B:00			BIT R/O	
		Current state of DI16:0=OFF				
Current state of the digital input DIx =0:DI is OFF, =1:DI is ON						
STATUS DIGITAL OUTPUTS						
DO1	1x00017 2x00017 I:16	1,0x01 B:01		1	BIT R/W	YES
		Current state of DO1:1=ON		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO2	1x00018 2x00018 I:17	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO2:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO3	1x00019 2x00019 I:18	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO3:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO4	1x00020 2x00020 I:19	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO4:0=OFF		ENTER NEW STATE (0 or 1)		

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Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO5	1x00021 2x00021 I:20	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO5:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO6	1x00022 2x00022 I:21	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO6:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO7	1x00023 2x00023 I:22	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO7:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO8	1x00024 2x00024 I:23	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO8:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO9	1x00025 2x00025 I:24	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO9:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						

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DO10	1x00026 2x00026 I:25	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO10:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO11	1x00027 2x00027 I:26	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO11:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO12	1x00028 2x00028 I:27	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO12:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO13	1x00029 2x00029 I:28	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO13:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO14	1x00030 2x00030 I:29	0,0x00 B:00		1	BIT R/W	NO
		Current state of DO14:0=OFF		ENTER NEW STATE (0 or 1)		
Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DO15	1x00031 2x00031 I:30	1,0x01 B:01		1	BIT R/W	YES
		Current state of DO15:1=ON		ENTER NEW STATE (0 or 1)		

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Current state of the digital output DOx =0:DO is OFF, =1:DO is ON Writing on this register changes the state of the digital output						
DIAGNOSTIC SETUP DIGITAL OUTPUTS						
DIAGNOSTIC DO1	1x00032 2x00032 I:31	1,0x01 B:01		1	BIT R/W	YES
		Current diagnostic setup of DO1:1=ON		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO2	1x00033 2x00033 I:32	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO2:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO3	1x00034 2x00034 I:33	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO3:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO4	1x00035 2x00035 I:34	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO4:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO5	1x00036 2x00036 I:35	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO5:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						

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DIAGNOSTIC DO6	1x00037 2x00037 I:36	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO6:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO7	1x00038 2x00038 I:37	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO7:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO8	1x00039 2x00039 I:38	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO8:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO9	1x00040 2x00040 I:39	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO9:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO10	1x00041 2x00041 I:40	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO10:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO11	1x00042 2x00042 I:41	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO11:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		

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Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO12	1x00043 2x00043 I:42	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO12:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO13	1x00044 2x00044 I:43	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO13:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO14	1x00045 2x00045 I:44	0,0x00 B:00		0	BIT R/W	NO
		Current diagnostic setup of DO14:0=OFF		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC DO15	1x00046 2x00046 I:45	1,0x01 B:01		1	BIT R/W	YES
		Current diagnostic setup of DO15:1=ON		ENTER NEW DIAGNSTIC STATE (0 or 1)		
Enables/disabled the diagnostic feature of the digital output DOx =0:Diagnostic is OFF, =1:Diagnostic is ON Writing on this register changes the diagnostic state of the corresponding digital output						
DIAGNOSTIC STATUS DIGITAL OUTPUTS						
DIAGNOSTIC STATE DO1	1x00047 2x00047 I:46	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO1:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						

DIAGNOSTIC STATE DO2	1x00048 2x00048 I:47	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO2:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO3	1x00049 2x00049 I:48	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO3:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO4	1x00050 2x00050 I:49	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO4:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO5	1x00051 2x00051 I:50	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO5:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO6	1x00052 2x00052 I:51	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO6:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO7	1x00053 2x00053 I:52	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO7:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO8	1x00054 2x00054 I:53	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO8:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO9	1x00055 2x00055 I:54	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO9:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						

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DIAGNOSTIC STATE DO10	1x00056 2x00056 I:55	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO10:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO11	1x00057 2x00057 I:56	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO11:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO12	1x00058 2x00058 I:57	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO12:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO13	1x00059 2x00059 I:58	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO13:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO14	1x00060 2x00060 I:59	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO14:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
DIAGNOSTIC STATE DO15	1x00061 2x00061 I:60	0,0x00 B:00			BIT R/O	
		Current diagnostic state of DO15:0=NO FAULT				
The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault						
THERMAL WARNING DIGITAL OUTPUTS						
THERMAL WARNING DO1-DO7	1x00062 2x00062 I:61	0,0x00 B:00			BIT R/O	
		Current thermal warning of DO1-DO7:0=OK				
The current thermal warning state for the digital output group =0:No thermal warning, =1:Thermal warning						
THERMAL WARNING DO8-DO15	1x00063 2x00063 I:62	0,0x00 B:00			BIT R/O	
		Current thermal warning of DO8-DO15:0=OK				
The current thermal warning state for the digital output group =0:No thermal warning, =1:Thermal warning						

POWER SUPPLY MONITORING DIGITAL OUTPUTS						
POWER SUPPLY MONITORING DO1-DO7	1x00064 2x00064 I:63	0,0x00 B:00			BIT R/O	
		Current power supply monitoring for DO1-DO7:0=NO FAULT				
The current monitoring state of the power supply for the digital output group =0:No fault, =1:Fault						
POWER SUPPLY MONITORING DO8-DO15	1x00065 2x00065 I:64	0,0x00 B:00			BIT R/O	
		Current power supply monitoring for DO8-DO15:0=NO FAULT				
The current monitoring state of the power supply for the digital output group =0:No fault, =1:Fault						
SPI COMMUNICATION DIGITAL OUTPUTS						
SPI COMMUNICATION DO1-DO7	1x00066 2x00066 I:65	0,0x00 B:00			BIT R/O	
		Current SPI monitoring for DO1-DO7:0=NO FAULT				
The current monitoring state of the SPI communication for the digital output group =0:No fault, =1:Fault						
SPI COMMUNICATION DO8-DO15	1x00067 2x00067 I:66	0,0x00 B:00			BIT R/O	
		Current SPI monitoring for DO8-DO15:0=NO FAULT				
The current monitoring state of the SPI communication for the digital output group =0:No fault, =1:Fault						
STATUS DIP SWITCH						
DIP SWITCH 1	1x00068 2x00068 I:67	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH1:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						
DIP SWITCH 2	1x00069 2x00069 I:68	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH2:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						
DIP SWITCH 3	1x00070 2x00070 I:69	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH3:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						

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DIP SWITCH 4	1x00071 2x00071 I:70	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH4:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						
DIP SWITCH 5	1x00072 2x00072 I:71	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH5:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						
DIP SWITCH 6	1x00073 2x00073 I:72	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH6:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						
DIP SWITCH 7	1x00074 2x00074 I:73	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH7:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						
DIP SWITCH 8	1x00075 2x00075 I:74	0,0x00 B:00			BIT R/O	
		Current state of DIP SWITCH8:0=OFF				
Current state of DIP switch x =0:Dip switch is OFF, =1: Dip switch is ON						
DIGITAL INPUTS: RESET						
RESET COUNTERS	1x10000 2x10000 I:9999	0,0x00 B:00		1:PERFORM RESET	BIT R/W	NO
If this register is written to 1, all internal edge counters and event counters are set to 0. 0 is always returned when reading.						

RISING EDGES DI1	3x00001 4x00001 I:0	1,0x0001 B:00 01			UINT16 R/O	
		1 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI1	3x00002 4x00002 I:1	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI2	3x00003 4x00003 I:2	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI2	3x00004 4x00004 I:3	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI3	3x00005 4x00005 I:4	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI3	3x00006 4x00006 I:5	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI4	3x00007 4x00007 I:6	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI4	3x00008 4x00008 I:7	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI5	3x00009 4x00009 I:8	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI5	3x00010 4x00010 I:9	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI6	3x00011 4x00011 I:10	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI6	3x00012 4x00012 I:11	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI7	3x00013 4x00013 I:12	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						

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FALLING EDGES DI7	3x00014 4x00014 I:13	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI8	3x00015 4x00015 I:14	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI8	3x00016 4x00016 I:15	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI9	3x00017 4x00017 I:16	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI9	3x00018 4x00018 I:17	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI10	3x00019 4x00019 I:18	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI10	3x00020 4x00020 I:19	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI11	3x00021 4x00021 I:20	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI11	3x00022 4x00022 I:21	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI12	3x00023 4x00023 I:22	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI12	3x00024 4x00024 I:23	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI13	3x00025 4x00025 I:24	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI13	3x00026 4x00026 I:25	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						

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RISING EDGES DI14	3x00027 4x00027 I:26	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI14	3x00028 4x00028 I:27	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI15	3x00029 4x00029 I:28	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI15	3x00030 4x00030 I:29	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISING EDGES DI16	3x00031 4x00031 I:30	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALLING EDGES DI16	3x00032 4x00032 I:31	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
STATUS						

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FILTER PATTERN DI1	3x00033 4x00033 I:32	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI2	3x00035 4x00035 I:34	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI3	3x00037 4x00037 I:36	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI4	3x00039 4x00039 I:38	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI5	3x00041 4x00041 I:40	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI6	3x00043 4x00043 I:42	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI7	3x00045 4x00045 I:44	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI8	3x00047 4x00047 I:46	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI9	3x00049 4x00049 I:48	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI10	3x00051 4x00051 I:50	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI11	3x00053 4x00053 I:52	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI12	3x00055 4x00055 I:54	0,0x00000000 B:00 00 00 00			UINT32 R/O	

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The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI13	3x00057 4x00057 I:56	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI14	3x00059 4x00059 I:58	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI15	3x00061 4x00061 I:60	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
FILTER PATTERN DI16	3x00063 4x00063 I:62	0,0x00000000 B:00 00 00 00			UINT32 R/O	
The internal pattern for corresponding digital input for AC/DC filtering. The internal used state is created out of this internal pattern via oversampling.						
GENERAL STATUS OF DIS						
RESET COUNTERS	3x10000 4x10000 I:9999	0,0x0000 B:00 00		1:PERFORM RESET	UINT16 R/W	YES
If this register is written to 1, all internal edge counters and event counters are set to 0. 0 is always returned when reading.						
HAS DIS CHANGED	3x10001 4x10001 I:10000	1,0x0001 B:00 01			UINT16 R/O	
		1 event(s)				
As soon as the module registrates an event on one of the available digital inputs, this global event counter is incremented by 1. Possible events are: Detection of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
STATUS OF ALL DIS DI1..DI16	3x10002 4x10002 I:10001	1,0x0001 B:00 01			UINT16 R/O	
		Current state of DI1:1=ON				
		Current state of DI2:0=OFF				
		Current state of DI3:0=OFF				
		Current state of DI4:0=OFF				
		Current state of DI5:0=OFF				
		Current state of DI6:0=OFF				
		Current state of DI7:0=OFF				
		Current state of DI8:0=OFF				
		Current state of DI9:0=OFF				
		Current state of DI10:0=OFF				
		Current state of DI11:0=OFF				
		Current state of DI12:0=OFF				

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		Current state of DI13:0=OFF			
		Current state of DI14:0=OFF			
		Current state of DI15:0=OFF			
		Current state of DI16:0=OFF			

Current state of all digital inputs DI1..DI16
Bit 0: =0:DI1 is OFF, =1:DI1 is ON
Bit 1: =0:DI2 is OFF, =1:DI2 is ON
Bit 2: =0:DI3 is OFF, =1:DI3 is ON
Bit 3: =0:DI4 is OFF, =1:DI4 is ON
Bit 4: =0:DI5 is OFF, =1:DI5 is ON
Bit 5: =0:DI6 is OFF, =1:DI6 is ON
Bit 6: =0:DI7 is OFF, =1:DI7 is ON
Bit 7: =0:DI8 is OFF, =1:DI8 is ON
Bit 8: =0:DI9 is OFF, =1:DI9 is ON
Bit 9: =0:DI10 is OFF, =1:DI10 is ON
Bit 10: =0:DI11 is OFF, =1:DI11 is ON
Bit 11: =0:DI12 is OFF, =1:DI12 is ON
Bit 12: =0:DI13 is OFF, =1:DI13 is ON
Bit 13: =0:DI14 is OFF, =1:DI14 is ON
Bit 14: =0:DI15 is OFF, =1:DI15 is ON
Bit 15: =0:DI16 is OFF, =1:DI16 is ON

STATUS OF DIGITAL OUTPUTS

STATUS OF DO1-DO15	3x10003 4x10003 I:10002	15,0x000F B:00 0F		#REF!	UINT16 R/W	NO
		Current state of DO1:1=ON		1		
		Current state of DO2:1=ON		1		
		Current state of DO3:1=ON		1		
		Current state of DO4:1=ON		1		
		Current state of DO5:0=OFF		1		
		Current state of DO6:0=OFF		1		
		Current state of DO7:0=OFF		1		
		Current state of DO8:0=OFF		1		
		Current state of DO9:0=OFF		1		
		Current state of DO10:0=OFF		1		
		Current state of DO11:0=OFF		1		
		Current state of DO12:0=OFF		1		
		Current state of DO13:0=OFF		1		
		Current state of DO14:0=OFF		1		
		Current state of DO15:0=OFF		1		

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Current state of all digital outputs
Bit 0: =0:DO1 is OFF, =1:DO1 is ON
Bit 1: =0:DO2 is OFF, =1:DO2 is ON
Bit 2: =0:DO3 is OFF, =1:DO3 is ON
Bit 3: =0:DO4 is OFF, =1:DO4 is ON
Bit 4: =0:DO5 is OFF, =1:DO5 is ON
Bit 5: =0:DO6 is OFF, =1:DO6 is ON
Bit 6: =0:DO7 is OFF, =1:DO7 is ON
Bit 7: =0:DO8 is OFF, =1:DO8 is ON
Bit 8: =0:DO9 is OFF, =1:DO9 is ON
Bit 9: =0:DO10 is OFF, =1:DO10 is ON
Bit 10: =0:DO11 is OFF, =1:DO11 is ON
Bit 11: =0:DO12 is OFF, =1:DO12 is ON
Bit 12: =0:DO13 is OFF, =1:DO13 is ON
Bit 13: =0:DO14 is OFF, =1:DO14 is ON
Bit 14: =0:DO15 is OFF, =1:DO15 is ON
Bit 15: always 0

Write on this register sets all 15 digital outputs to a new state

DIAGNOSTIC SETUP FOR DIGITAL OUTPUTS

DIAGNSTIC SETUP FOR DO1-DO15	3x10004 4x10004 I:10003	0,0x0000 B:00 00		0x7FFF	UINT16 R/W	NO
		Current diagnostic setup of DO1:0=DISABLED		1		
		Current diagnostic setup of DO2:0=DISABLED		1		
		Current diagnostic setup of DO3:0=DISABLED		1		
		Current diagnostic setup of DO4:0=DISABLED		1		
		Current diagnostic setup of DO5:0=DISABLED		1		
		Current diagnostic setup of DO6:0=DISABLED		1		
		Current diagnostic setup of DO7:0=DISABLED		1		
		Current diagnostic setup of DO8:0=DISABLED		1		
		Current diagnostic setup of DO9:0=DISABLED		1		
		Current diagnostic setup of DO10:0=DISABLED		1		
		Current diagnostic setup of DO11:0=DISABLED		1		
		Current diagnostic setup of DO12:0=DISABLED		1		
		Current diagnostic setup of DO13:0=DISABLED		1		
		Current diagnostic setup of DO14:0=DISABLED		1		
		Current diagnostic setup of DO15:0=DISABLED		1		

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Enables/disabled the diagnostic feature of the digital output DOx
Bit=0:Diagnostic is DISABLED, Bit=1:Diagnostic is ENABLED

Current diagnstic setup of all digital outputs
Bit 0: =0:DO1 diagnostic is DISABLED, =1:DO1 diagnstic is ENABLED
Bit 1: =0:DO2 diagnostic is DISABLED, =1:DO2 diagnstic is ENABLED
Bit 2: =0:DO3 diagnostic is DISABLED, =1:DO3 diagnstic is ENABLED
Bit 3: =0:DO4 diagnostic is DISABLED, =1:DO4 diagnstic is ENABLED
Bit 4: =0:DO5 diagnostic is DISABLED, =1:DO5 diagnstic is ENABLED
Bit 5: =0:DO6 diagnostic is DISABLED, =1:DO6 diagnstic is ENABLED
Bit 6: =0:DO7 diagnostic is DISABLED, =1:DO7 diagnstic is ENABLED
Bit 7: =0:DO8 diagnostic is DISABLED, =1:DO8 diagnstic is ENABLED
Bit 8: =0:DO9 diagnostic is DISABLED, =1:DO9 diagnstic is ENABLED
Bit 9: =0:DO10 diagnostic is DISABLED, =1:DO10 diagnstic is ENABLED
Bit 10: =0:DO11 diagnostic is DISABLED, =1:DO11 diagnstic is ENABLED
Bit 11: =0:DO12 diagnostic is DISABLED, =1:DO12 diagnstic is ENABLED
Bit 12: =0:DO13 diagnostic is DISABLED, =1:DO13 diagnstic is ENABLED
Bit 13: =0:DO14 diagnostic is DISABLED, =1:DO14 diagnstic is ENABLED
Bit 14: =0:DO15 diagnostic is DISABLED, =1:DO15 diagnstic is ENABLED
Bit 15: always 0

Writing on this register changes the diagnostic state of all 15 digital outputs

DIAGNOSTIC STATUS FOR DIGITAL OUTPUTS

DIAGNOSTIC STATE FOR DO1-DO15	3x10005 4x10005 I:10004	0,0x0000 B:00 00			UINT16 R/O	
		Current diagnostic state of DO1:0=NO FAULT				
		Current diagnostic state of DO2:0=NO FAULT				
		Current diagnostic state of DO3:0=NO FAULT				
		Current diagnostic state of DO4:0=NO FAULT				
		Current diagnostic state of DO5:0=NO FAULT				
		Current diagnostic state of DO6:0=NO FAULT				
		Current diagnostic state of DO7:0=NO FAULT				
		Current diagnostic state of DO8:0=NO FAULT				
		Current diagnostic state of DO9:0=NO FAULT				
		Current diagnostic state of DO10:0=NO FAULT				
		Current diagnostic state of DO11:0=NO FAULT				
		Current diagnostic state of DO12:0=NO FAULT				
		Current diagnostic state of DO13:0=NO FAULT				
		Current diagnostic state of DO14:0=NO FAULT				
		Current diagnostic state of DO15:0=NO FAULT				

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The current state of the diagnostic feature for the digital output DOx =0:No fault, =1:Fault Current diagnstic setup of all digital outputs Bit 0: =0:DO1 no fault, =1:DO1 fault Bit 1: =0:DO2 no fault, =1:DO2 fault Bit 2: =0:DO3 no fault, =1:DO3 fault Bit 3: =0:DO4 no fault, =1:DO4 fault Bit 4: =0:DO5 no fault, =1:DO5 fault Bit 5: =0:DO6 no fault, =1:DO6 fault Bit 6: =0:DO7 no fault, =1:DO7 fault Bit 7: =0:DO8 no fault, =1:DO8 fault Bit 8: =0:DO9 no fault, =1:DO9 fault Bit 9: =0:DO10 no fault, =1:DO10 fault Bit 10: =0:DO11 no fault, =1:DO11 fault Bit 11: =0:DO12 no fault, =1:DO12 fault Bit 12: =0:DO13 no fault, =1:DO13 fault Bit 13: =0:DO14 no fault, =1:DO14 fault Bit 14: =0:DO15 no fault, =1:DO15 fault Bit 15: always 0						
THERMAL WARNING DIGITAL OUTPUTS						
THERMAL WARNING DIGITAL OUTPUTS	3x10006 4x10006 I:10005	0,0x0000 B:00 00			UINT16 R/O	
		Current thermal warning state of DO1-DO7:0=NO FAULT				
		Current thermal warning state of DO8-DO15:0=NO FAULT				
The current thermal warning state for the digital output group =0:No thermal warning, =1:Thermal warning Current thermal warning state of all digital output groups Bit 0: =0:DO1-DO7 No thermal warning, =1:DO1-DO7 Thermal warning Bit 1: =0:DO8-DO15 No thermal warning, =1:DO8-DO15 Thermal warning Bits 2-15: Always 0						
POWER SUPPLY MONITORING DIGITAL OUTPUTS						
POWER SUPPLY MONITORING DIGITAL OUTPUTS	3x10007 4x10007 I:10006	12,0x000C B:00 0C			UINT16 R/O	
		Current power supply monitoring state of DO1-DO7:0=NO FAULT				
		Current power supply monitoring state of DO8-DO15:0=NO FAULT				
The current monitoring state of the power supply for the digital output group =0:No fault, =1:Fault Current power supply monitoring state of all digital output groups Bit 0: =0:DO1-DO7 No fault, =1:DO1-DO7 Fault Bit 1: =0:DO8-DO15 No fault, =1:DO8-DO15 Fault Bits 2-15: Always 0						

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SPI COMMUNICATION DIGITAL OUTPUTS						
SPI COMMUNICATION DIGITAL OUTPUTS	3x10008 4x10008 I:10007	0,0x0000 B:00 00			UINT16 R/O	
		Current SPI communication state of DO1-DO7:0=NO FAULT				
		Current SPI communication state of DO8-DO15:0=NO FAULT				
The current monitoring state of the SPI communication for the digital output group =0:No fault, =1:Fault Current SPI communication state of all digital output groups Bit 0: =0:DO1-DO7 No fault, =1:DO1-DO7 Fault Bit 1: =0:DO8-DO15 No fault, =1:DO8-DO15 Fault Bits 2-15: Always 0						
DIP SWITCH						
STATUS OF DIP SWITCH	3x10100 4x10100 I:10099	0,0x0000 B:00 00			UINT16 R/O	
		Current state of DIP SWITCH1:0=OFF				
		Current state of DIP SWITCH2:0=OFF				
		Current state of DIP SWITCH3:0=OFF				
		Current state of DIP SWITCH4:0=OFF				
		Current state of DIP SWITCH5:0=OFF				
		Current state of DIP SWITCH6:0=OFF				
		Current state of DIP SWITCH7:0=OFF				
		Current state of DIP SWITCH8:0=OFF				
Current state of the DIP switch Bit 0: DIP switch 1 (=0:OFF, =1:ON) Bit 1: DIP switch 2 (=0:OFF, =1:ON) Bit 2: DIP switch 3 (=0:OFF, =1:ON) Bit 3: DIP switch 4 (=0:OFF, =1:ON) Bit 4: DIP switch 5 (=0:OFF, =1:ON) Bit 5: DIP switch 6 (=0:OFF, =1:ON) Bit 6: DIP switch 7 (=0:OFF, =1:ON) Bit 7: DIP switch 8 (=0:OFF, =1:ON) Bit 8-15: always 0						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI1						
RISE DI1	3x20001 4x20001 I:20000	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI1	3x20002 4x20002 I:20001	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI1	3x20003 4x20003 I:20002	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI1	3x20004 4x20004 I:20003	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI1	3x20005 4x20005 I:20004	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI1	3x20006 4x20006 I:20005	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI2						
RISE DI2	3x20011 4x20011 I:20010	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI2	3x20012 4x20012 I:20011	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI2	3x20013 4x20013 I:20012	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI2	3x20014 4x20014 I:20013	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI2	3x20015 4x20015 I:20014	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI2	3x20016 4x20016 I:20015	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI3						
RISE DI3	3x20021 4x20021 I:20020	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI3	3x20022 4x20022 I:20021	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI3	3x20023 4x20023 I:20022	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI3	3x20024 4x20024 I:20023	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI3	3x20025 4x20025 I:20024	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI3	3x20026 4x20026 I:20025	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI4						
RISE DI4	3x20031 4x20031 I:20030	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI4	3x20032 4x20032 I:20031	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI4	3x20033 4x20033 I:20032	65535,0xFFFF B:FF FF			UINT16 R/O	
		65535 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI4	3x20034 4x20034 I:20033	65535,0xFFFF B:FF FF			UINT16 R/O	
		65535 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI4	3x20035 4x20035 I:20034	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI4	3x20036 4x20036 I:20035	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI5						
RISE DI5	3x20041 4x20041 I:20040	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI5	3x20042 4x20042 I:20041	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI5	3x20043 4x20043 I:20042	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI5	3x20044 4x20044 I:20043	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI5	3x20045 4x20045 I:20044	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI5	3x20046 4x20046 I:20045	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI6						
RISE DI6	3x20051 4x20051 I:20050	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI6	3x20052 4x20052 I:20051	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI6	3x20053 4x20053 I:20052	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI6	3x20054 4x20054 I:20053	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI6	3x20055 4x20055 I:20054	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI6	3x20056 4x20056 I:20055	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI7						
RISE DI7	3x20061 4x20061 I:20060	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI7	3x20062 4x20062 I:20061	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI7	3x20063 4x20063 I:20062	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI7	3x20064 4x20064 I:20063	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI7	3x20065 4x20065 I:20064	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI7	3x20066 4x20066 I:20065	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI8						
RISE DI8	3x20071 4x20071 I:20070	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI8	3x20072 4x20072 I:20071	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI8	3x20073 4x20073 I:20072	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI8	3x20074 4x20074 I:20073	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI8	3x20075 4x20075 I:20074	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI8	3x20076 4x20076 I:20075	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI9						
RISE DI9	3x20081 4x20081 I:20080	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI9	3x20082 4x20082 I:20081	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI9	3x20083 4x20083 I:20082	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI9	3x20084 4x20084 I:20083	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI9	3x20085 4x20085 I:20084	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI9	3x20086 4x20086 I:20085	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI10						
RISE DI10	3x20091 4x20091 I:20090	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI10	3x20092 4x20092 I:20091	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI10	3x20093 4x20093 I:20092	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI10	3x20094 4x20094 I:20093	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI10	3x20095 4x20095 I:20094	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI10	3x20096 4x20096 I:20095	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI11						
RISE DI11	3x20101 4x20101 I:20100	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI11	3x20102 4x20102 I:20101	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI11	3x20103 4x20103 I:20102	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI11	3x20104 4x20104 I:20103	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI11	3x20105 4x20105 I:20104	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI11	3x20106 4x20106 I:20105	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI12						
RISE DI12	3x20111 4x20111 I:20110	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI12	3x20112 4x20112 I:20111	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI12	3x20113 4x20113 I:20112	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI12	3x20114 4x20114 I:20113	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI12	3x20115 4x20115 I:20114	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI12	3x20116 4x20116 I:20115	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI13						
RISE DI13	3x20121 4x20121 I:20120	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI13	3x20122 4x20122 I:20121	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI13	3x20123 4x20123 I:20122	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI13	3x20124 4x20124 I:20123	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI13	3x20125 4x20125 I:20124	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI13	3x20126 4x20126 I:20125	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI14						
RISE DI14	3x20131 4x20131 I:20130	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI14	3x20132 4x20132 I:20131	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI14	3x20133 4x20133 I:20132	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI14	3x20134 4x20134 I:20133	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI14	3x20135 4x20135 I:20134	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI14	3x20136 4x20136 I:20135	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI15						
RISE DI15	3x20141 4x20141 I:20140	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI15	3x20142 4x20142 I:20141	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI15	3x20143 4x20143 I:20142	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI15	3x20144 4x20144 I:20143	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI15	3x20145 4x20145 I:20144	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI15	3x20146 4x20146 I:20145	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the digital input DIx. If the module detects the end of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI16						
RISE DI16	3x20151 4x20151 I:20150	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the digital input DIx. If the module detects a rising edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL DI16	3x20152 4x20152 I:20151	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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Counter for falling edges on the digital input DIx. If the module detects a falling edge on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
CHANGE DI16	3x20153 4x20153 I:20152	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the digital input DIx. If the module detects an event on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
SHORT KEYPRESS DI16	3x20154 4x20154 I:20153	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the digital input DIx. If the module detects a short keypress on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START DI16	3x20155 4x20155 I:20154	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the digital input DIx. If the module detects the start of a long keypress action on the digital input, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END DI16	3x20156 4x20156 I:20155	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

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		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO2	3x00202 4x00202 I:201	0,0x0000 B:00 00	300	30,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO3	3x00203 4x00203 I:202	0,0x0000 B:00 00	400	40,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO4	3x00204 4x00204 I:203	0,0x0000 B:00 00	500	50,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO5	3x00205 4x00205 I:204	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO6	3x00206 4x00206 I:205	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						

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PULSE TIME DO7	3x00207 4x00207 I:206	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO8	3x00208 4x00208 I:207	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO9	3x00209 4x00209 I:208	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO10	3x00210 4x00210 I:209	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO11	3x00211 4x00211 I:210	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO12	3x00212 4x00212 I:211	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				

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Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO13	3x00213 4x00213 I:212	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO14	3x00214 4x00214 I:213	0,0x0000 B:00 00	20	2,0	UINT16 R/W	NO
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE TIME DO15	3x00215 4x00215 I:214	0,0x0000 B:00 00	200	20,0	UINT16 R/W	YES
		0,0 seconds				
Generate a pulse on digital output x in 100ms units (0,1 to 6553,5 Seconds selectable) If you write onto this register, the digital output will be switched on for the desired time in 100ms units.						
PULSE STATUS FOR DIGITAL OUTPUTS						
PULSE TIMER DO1	3x00301 4x00301 I:300	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO2	3x00303 4x00303 I:302	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO3	3x00305 4x00305 I:304	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						

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PULSE TIMER DO4	3x00307 4x00307 I:306	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO5	3x00309 4x00309 I:308	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO6	3x00311 4x00311 I:310	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO7	3x00313 4x00313 I:312	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO8	3x00315 4x00315 I:314	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO9	3x00317 4x00317 I:316	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO10	3x00319 4x00319 I:318	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO11	3x00321 4x00321 I:320	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO12	3x00323 4x00323 I:322	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						

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PULSE TIMER DO13	3x00325 4x00325 I:324	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO14	3x00327 4x00327 I:326	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO15	3x00329 4x00329 I:328	8912,0x000022D0 B:00 00 22 D0			UINT32 R/O	
		8,9 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE STATUS FOR DIGITAL OUTPUTS						
PULSE TIMER DO1	3x00331 4x00331 I:330	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO2	3x00333 4x00333 I:332	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO3	3x00335 4x00335 I:334	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO4	3x00337 4x00337 I:336	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO5	3x00339 4x00339 I:338	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO6	3x00341 4x00341 I:340	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						

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PULSE TIMER DO7	3x00343 4x00343 I:342	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO8	3x00345 4x00345 I:344	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO9	3x00347 4x00347 I:346	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO10	3x00349 4x00349 I:348	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO11	3x00351 4x00351 I:350	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO12	3x00353 4x00353 I:352	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO13	3x00355 4x00355 I:354	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO14	3x00357 4x00357 I:356	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		0,0 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						
PULSE TIMER DO15	3x00359 4x00359 I:358	8787,0x00002253 B:22 53 00 00			UINT32R R/O	
		8,8 seconds				
Remaining time of the pulse on digital output x in Milliseconds.						

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DIGITAL INPUTS				
GET DIGITAL INPUTS	**ASCII READ COMMAND**	#GDIS<CR> Result: #GDIS:<DISDec>,<DISHex><CR>	ASCII	
	TX	#GDIS<CR>		
	RX	#255,GDIS:0,0x0<CR>		
		Current status of digital inputs:0000.0000.0000.0000.0000.0000.0000.0000		
Returns the current state of all 32 digital inputs as decimal number and as hexadecimal number. DISDec, DISHex The current state of all digital inputs: Bit 0: State of DI1 (=0:OFF, =1:ON) Bit 1: State of DI2 (=0:OFF, =1:ON) ... Bit 14: State of DI15 (=0:OFF, =1:ON) Bit 15: State of DI16 (=0:OFF, =1:ON)				
GET DIGITAL INPUT DIx	**ASCII READ COMMAND**	#GDI<DINR><CR> Result: #GDI<DINR>:<DIxDec>,<DIxHex><CR>	ASCII	
	DINR	16		
	TX	#GDI16<CR>		
	RX	#255,GDI16:0,0x0<CR>		
		Current status of digital input DI16:0=OFF		
Returns the current state of the digital input Dix as decimal number and as hexadecimal number. X stands for the desired digital input between 1 and 16. DIxDec, DIxHex: The current state of the digital input x: =0: Digital input is OFF =1: Digital input is ON				
GET ALL CHANGES	**ASCII READ COMMAND**	#GAC<CR> Result: #GAC:<ChangesDec>,<ChangesHex><CR>	ASCII	
	TX	#GAC<CR>		
	RX	#255,GAC:2,0x2<CR>		
		Current change counter:2		
Returns the counter for changes on all digital inputs. As soon as the module detects a short keypress or long key press or long key release event, this counter is incremented by 1. If this values has changed sience the last polling request, the host knows, that at least one digital input has changed its state.				
CHANGE ALL DIS	**ASCII READ COMMAND**	#CADIS<CR> Result: #CADIS:<ChangeDI1Dec>,...,<ChangeDI32Dec>,<ChangeDI1Hex>,...,<ChangeDI32Hex><CR>	ASCII	
	TX	#CADIS<CR>		
	RX	#255,CADIS:2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0x2,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for changes on DI1:2		
		Current counter for changes on DI2:0		
		Current counter for changes on DI3:0		
		Current counter for changes on DI4:0		

		Current counter for changes on DI5:0		
		Current counter for changes on DI6:0		
		Current counter for changes on DI7:0		
		Current counter for changes on DI8:0		
		Current counter for changes on DI9:0		
		Current counter for changes on DI10:0		
		Current counter for changes on DI11:0		
		Current counter for changes on DI12:0		
		Current counter for changes on DI13:0		
		Current counter for changes on DI14:0		
		Current counter for changes on DI15:0		
		Current counter for changes on DI16:0		
Returns for each digital input the counter for changes. As soon as the module detects a signal change on a digital input, the change counter for the affected digital input is incremented by 1. A signal change can be: Detection of a short keypress Detection of the start of a long keypress Detection of a release of a long keypress				
CHANGE DIx	**ASCII READ COMMAND**	#CDI<DINR><CR> Result: #CDI<DINR>:<ChangesDec>,<ChangesHex><CR>	ASCII	
	DINR	16		
	TX	#CDI16<CR>		
	RX	#255,CDI16:0,0x0<CR>		
		Current counter for changes on digital input DI16:0		
Returns for digital input <DINR> the counter for signal changes. As soon as the module detects a signal change on a digital input, the change counter for the affected digital input is incremented by 1. A signal change can be: Detection of a short keypress Detection of the start of a long keypress Detection of a release of a long keypress				
SHORT KEY ALL DIS	**ASCII READ COMMAND**	#SKADIS<CR> Result: #SKADIS:<ShortKeyDI1Dec>,...,<ShortKeyDI32Dec>, <ShortKeyDI1Hex>,...,<ShortKeyDI32Hex><CR>	ASCII	
	TX	#SKADIS<CR>		
	RX	#255,SKADIS:0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for short keypress events on DI1:0		
		Current counter for short keypress events on DI2:0		
		Current counter for short keypress events on DI3:0		
		Current counter for short keypress events on DI4:0		
		Current counter for short keypress events on DI5:0		
		Current counter for short keypress events on DI6:0		
		Current counter for short keypress events on DI7:0		
		Current counter for short keypress events on DI8:0		
		Current counter for short keypress events on DI9:0		

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		Current counter for short keypress events on DI10:0		
		Current counter for short keypress events on DI11:0		
		Current counter for short keypress events on DI12:0		
		Current counter for short keypress events on DI13:0		
		Current counter for short keypress events on DI14:0		
		Current counter for short keypress events on DI15:0		
		Current counter for short keypress events on DI16:0		
Returns for each digital input the counter for short keypress events. As soon as the module detects a short keypress on a digital input, the counter for the affected digital input is incremented by 1.				
SHORT KEY DIx	**ASCII READ COMMAND**	#SKDI<DINR><CR> Result: #SKDI<DINR>:<ShortKeyDec>,<ShortKeyHex><CR>	ASCII	
	DINR	16		
	TX	#SKDI16<CR>		
	RX	#255,SKDI16:0,0x0<CR>		
		Current counter for short keypress events on digital input DI16:0		
Returns for digital input <DINR> the counter for short keypress events. As soon as the module detects a short keypress on a digital input, the counter for the affected digital input is incremented by 1.				
LONG KEY START ALL DIS	**ASCII READ COMMAND**	#LKSADIS<CR> Result: #LKSADIS:<LongKeyStartDI1Dec>,...,<LongKeyStartDI32Dec>, <LongKeyStartDI1Hex>,...,<LongKeyStartDI32Hex><CR>	ASCII	
	TX	#LKSADIS<CR>		
	RX	#255,LKSADIS:1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for long keypress start events on DI1:1		
		Current counter for long keypress start events on DI2:0		
		Current counter for long keypress start events on DI3:0		
		Current counter for long keypress start events on DI4:0		
		Current counter for long keypress start events on DI5:0		
		Current counter for long keypress start events on DI6:0		
		Current counter for long keypress start events on DI7:0		
		Current counter for long keypress start events on DI8:0		
		Current counter for long keypress start events on DI9:0		
		Current counter for long keypress start events on DI10:0		
		Current counter for long keypress start events on DI11:0		
		Current counter for long keypress start events on DI12:0		
		Current counter for long keypress start events on DI13:0		
		Current counter for long keypress start events on DI14:0		
		Current counter for long keypress start events on DI15:0		
		Current counter for long keypress start events on DI16:0		
Returns for each digital input the counter for long keypress start events. As soon as the module detects the start of a long keypress on a digital input, the counter for the affected digital input is incremented by 1.				
LONG KEY START DIx	**ASCII READ COMMAND**	#LKSDI<DINR><CR> Result: #LKSDI<DINR>:<LongKeyStartDec>,<LongKeyStartHex><CR>	ASCII	
	DINR	16		

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	TX	#LKSDI16<CR>		
	RX	#255,LKSDI16:0,0x0<CR>		
		Current counter for long keypress start events on digital input DI16:0		
Returns for digital input <DINR> the counter for long keypress start events. As soon as the module detects the start of a long keypress on a digital input, the counter for the affected digital input is incremented by 1.				
LONG KEY END ALL DIS	**ASCII READ COMMAND**	#LKEADIS<CR> Result: #LKEADIS:<LongKeyEndDI1Dec>,...,<LongKeyEndDI32Dec>, <LongKeyEndDI1Hex>,...,<LongKeyEndDI32Hex><CR>	ASCII	
	TX	#LKEADIS<CR>		
	RX	#255,LKEADIS:1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for long keypress end events on DI1:1		
		Current counter for long keypress end events on DI2:0		
		Current counter for long keypress end events on DI3:0		
		Current counter for long keypress end events on DI4:0		
		Current counter for long keypress end events on DI5:0		
		Current counter for long keypress end events on DI6:0		
		Current counter for long keypress end events on DI7:0		
		Current counter for long keypress end events on DI8:0		
		Current counter for long keypress end events on DI9:0		
		Current counter for long keypress end events on DI10:0		
		Current counter for long keypress end events on DI11:0		
		Current counter for long keypress end events on DI12:0		
		Current counter for long keypress end events on DI13:0		
		Current counter for long keypress end events on DI14:0		
		Current counter for long keypress end events on DI15:0		
		Current counter for long keypress end events on DI16:0		
Returns for each digital input the counter for long keypress end events. As soon as the module detects the end of a long keypress on a digital input, the counter for the affected digital input is incremented by 1.				
LONG KEY END DIx	**ASCII READ COMMAND**	#LKEDI<DINR><CR> Result: #LKEDI<DINR>:<LongKeyEndDec>,<LongKeyEndHex><CR>	ASCII	
	DINR	16		
	TX	#LKEDI16<CR>		
	RX	#255,LKEDI16:0,0x0<CR>		
		Current counter for long keypress end events on digital input DI16:0		
Returns for digital input <DINR> the counter for long keypress end events. As soon as the module detects the end of a long keypress on a digital input, the counter for the affected digital input is incremented by 1.				
RISE ALL DIS	**ASCII READ COMMAND**	#RADIS<CR> Result: #RADIS:<RiseDI1Dec>,...,<RiseDI32Dec>,<RiseDI1Hex>,...,<RiseDI32Hex><CR>	ASCII	
	TX	#RADIS<CR>		
	RX	#255,RADIS:1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for rising edges on DI1:1		
		Current counter for rising edges on DI2:0		

		Current counter for rising edges on DI3:0		
		Current counter for rising edges on DI4:0		
		Current counter for rising edges on DI5:0		
		Current counter for rising edges on DI6:0		
		Current counter for rising edges on DI7:0		
		Current counter for rising edges on DI8:0		
		Current counter for rising edges on DI9:0		
		Current counter for rising edges on DI10:0		
		Current counter for rising edges on DI11:0		
		Current counter for rising edges on DI12:0		
		Current counter for rising edges on DI13:0		
		Current counter for rising edges on DI14:0		
		Current counter for rising edges on DI15:0		
		Current counter for rising edges on DI16:0		
Returns for each digital input the counter for rising edges. As soon as the module detects a rising edge on a digital input, the rising edge counter for the affected digital input is incremented by 1.				
RISE DIx	**ASCII READ COMMAND**	#RDI<DINR><CR> Result: #RDI<DINR>:<RiseDec>,<RiseHex><CR>	ASCII	
	DINR	16		
	TX	#RDI16<CR>		
	RX	#255,RDI16:0,0x0<CR>		
		Current counter for rising edges on digital input DI16:0		
Returns for digital input <DINR> the counter for rising edges. As soon as the module detects a rising edge on a digital input, the rising edge counter for the affected digital input is incremented by 1.				
FALL ALL DIS	**ASCII READ COMMAND**	#FADIS<CR> Result: #FADIS:<FallDI1Dec>,...,<FallDI32Dec>,<FallDI1Hex>,...,<FallDI32Hex><CR>	ASCII	
	TX	#FADIS<CR>		
	RX	#255,FADIS:1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for falling edges on DI1:1		
		Current counter for falling edges on DI2:0		
		Current counter for falling edges on DI3:0		
		Current counter for falling edges on DI4:0		
		Current counter for falling edges on DI5:0		
		Current counter for falling edges on DI6:0		
		Current counter for falling edges on DI7:0		
		Current counter for falling edges on DI8:0		
		Current counter for falling edges on DI9:0		
		Current counter for falling edges on DI10:0		
		Current counter for falling edges on DI11:0		
		Current counter for falling edges on DI12:0		
		Current counter for falling edges on DI13:0		
		Current counter for falling edges on DI14:0		
		Current counter for falling edges on DI15:0		

		Current counter for falling edges on DI16:0		
Returns for each digital input the counter for falling edges. As soon as the module detects a falling edge on a digital input, the falling edge counter for the affected digital input is incremented by 1.				
FALL DIx	**ASCII READ COMMAND**	#FDI<DINR><CR> Result: #FDI<DINR>:<FallDec>,<FallHex><CR>	ASCII	
	DINR	16		
	TX	#FDI16<CR>		
	RX	#255,FDI16:0,0x0<CR>		
		Current counter for falling edges on digital input DI16:0		
Returns for digital input <DINR> the counter for falling edges. As soon as the module detects a falling edge on a digital input, the falling edge counter for the affected digital input is incremented by 1.				
RESET COUNTERS	**ASCII WRITE COMMAND**	#RC<CR> Result: #OK<CR>	ASCII	NO
	TX	#RC<CR>		
	RX	N/A		
Resets all internal counters for digital inputs and events on this digital inputs to 0.				

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DIGITAL OUTPUTS				
SET DIGITAL OUTPUTS	**ASCII WRITE COMMAND**	#SDOS:<OutAllDOS><CR> Result: #OK<CR>	ASCII	NO
	DO1	1:ON		
	DO2	0:OFF		
	DO3	1:ON		
	DO4	0:OFF		
	DO5	0:OFF		
	DO6	0:OFF		
	DO7	0:OFF		
	DO8	0:OFF		
	DO9	0:OFF		
	DO10	0:OFF		
	DO11	0:OFF		
	DO12	0:OFF		
	DO13	0:OFF		
	DO14	0:OFF		
	DO15	0:OFF		
	TX	#SDOS:5<CR>		
	RX	N/A		
Sets all thirty digital outputs to the new state OutAllDOS The new state for all digital outputs Bit 0: State of DO1 (=0:OFF, =1:ON) Bit 1: State of DO2 (=0:OFF, =1:ON) Bit 2: State of DO3 (=0:OFF, =1:ON) Bit 3: State of DO4 (=0:OFF, =1:ON) Bit 4: State of DO5 (=0:OFF, =1:ON) Bit 5: State of DO6 (=0:OFF, =1:ON) Bit 6: State of DO7 (=0:OFF, =1:ON) Bit 7: State of DO8 (=0:OFF, =1:ON) Bit 8: State of DO9 (=0:OFF, =1:ON) Bit 9: State of DO10 (=0:OFF, =1:ON) Bit 10: State of DO11 (=0:OFF, =1:ON) Bit 11: State of DO12 (=0:OFF, =1:ON) Bit 12: State of DO13 (=0:OFF, =1:ON) Bit 13: State of DO14 (=0:OFF, =1:ON) Bit 14: State of DO15 (=0:OFF, =1:ON) Bits 15-31: Always 0				
SET DIGITAL OUTPUT DOx	**ASCII WRITE COMMAND**	#SDO<DONR>:<Out><CR> Result: #OK<CR>	ASCII	YES
	DONR	1		
	DO1	1:ON		
	TX	#SDO1:1<CR>		
	RX	#255,OK<CR>		

Sets the new state for digital output DOx. The state is defined with <Out>. Out The new state of the digital output DOx: =0: digital output is OFF =1: digital output is ON				
GET DIGITAL OUTPUTS	**ASCII READ COMMAND**	#GDOS<CR> Result: #GDOS:<DOSDec>,<DOSHex><CR>	ASCII	
	TX	#GDOS<CR>		
	RX	#255,GDOS:1,0x1<CR>		
		Current status of digital outputs:00.0000.0000.0000.0000.0000.0000.0001		
Returns the current state of the thirty digital outputs as decimal number and as hexadecimal number. DOSDec, DOSHex The current state of the thirty relay outputs: Bit 0: State of DO1 (=0:OFF, =1:ON) Bit 1: State of DO2 (=0:OFF, =1:ON) Bit 2: State of DO3 (=0:OFF, =1:ON) Bit 3: State of DO4 (=0:OFF, =1:ON) Bit 4: State of DO5 (=0:OFF, =1:ON) Bit 5: State of DO6 (=0:OFF, =1:ON) Bit 6: State of DO7 (=0:OFF, =1:ON) Bit 7: State of DO8 (=0:OFF, =1:ON) Bit 8: State of DO9 (=0:OFF, =1:ON) Bit 9: State of DO10 (=0:OFF, =1:ON) Bit 10: State of DO11 (=0:OFF, =1:ON) Bit 11: State of DO12 (=0:OFF, =1:ON) Bit 12: State of DO13 (=0:OFF, =1:ON) Bit 13: State of DO14 (=0:OFF, =1:ON) Bit 14: State of DO15 (=0:OFF, =1:ON) Bit 15: State of DO16 (=0:OFF, =1:ON) Bit 16: State of DO17 (=0:OFF, =1:ON) Bit 17: State of DO18 (=0:OFF, =1:ON) Bit 18: State of DO19 (=0:OFF, =1:ON) Bit 19: State of DO20 (=0:OFF, =1:ON) Bit 20: State of DO21 (=0:OFF, =1:ON) Bit 21: State of DO22 (=0:OFF, =1:ON) Bit 22: State of DO23 (=0:OFF, =1:ON) Bit 23: State of DO24 (=0:OFF, =1:ON) Bit 24: State of DO25 (=0:OFF, =1:ON) Bit 25: State of DO26 (=0:OFF, =1:ON) Bit 26: State of DO27 (=0:OFF, =1:ON) Bit 27: State of DO28 (=0:OFF, =1:ON) Bit 28: State of DO29 (=0:OFF, =1:ON) Bit 29: State of DO30 (=0:OFF, =1:ON)				
GET DIGITAL OUTPUT DOx	**ASCII READ COMMAND**	#GDO<DONR><CR> Result: #GDO<DONR>:<DOxDec>,<DOxHex><CR>	ASCII	
	DONR	2		
	TX	#GDO2<CR>		
	RX	#255,GDO2:0,0x0<CR>		
		Current status of digital output DO2:0=OFF		

Returns the current state of the digital output DOx as decimal number and as hexadecimal number. X stands for the number of the digital output from 1 to 30.
DOxDec, DOxHex
The current state of the digital output DOx:
=0: relay output is OFF
=1: relay output is ON

PULSE DOx	**ASCII WRITE COMMAND**	#PDO<DONR>:<Time><CR> Result: #OK<CR>	ASCII	YES
	DONR	1		
	TIME	200		
	TX	#PDO1:200<CR>		
	RX	#255,OK<CR>		

This command switches the digital output DOx on for the pulse duration <PulseTimeIn100ms>*100ms.
PulseTimeIn100ms: A duration in 100ms units.
The corresponding digital output is switched on for this time period.

GET PULSE TIMER DOx	**ASCII READ COMMAND**	#GPT<DONR><CR> Result: #GPT:<TimeDec>,<TimeHex><CR>	ASCII	
	DONR	1		
	TX	#GPT1<CR>		
	RX	#255,GPT1:19938,0x4DE2<CR>		
		Current pulse time for RO1:19,9s		

Returns the remaining timer value of the pulse for digital output DOx in ms.
PulseTimeInMSDec, PulseTimeInMSHex
The remaining time of the pulse in Milliseconds

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DIGITAL OUTPUTS				
SET DIAGNSTIC DIGITAL OUTPUTS	**ASCII WRITE COMMAND**	#SDDOS:<DiagnosticDOS><CR> Result: #OK<CR>	ASCII	YES
	DO1	1:ENABLE		
	DO2	1:ENABLE		
	DO3	1:ENABLE		
	DO4	1:ENABLE		
	DO5	1:ENABLE		
	DO6	1:ENABLE		
	DO7	1:ENABLE		
	DO8	1:ENABLE		
	DO9	1:ENABLE		
	DO10	1:ENABLE		
	DO11	1:ENABLE		
	DO12	1:ENABLE		
	DO13	1:ENABLE		
	DO14	1:ENABLE		
	DO15	1:ENABLE		
	TX	#SDDOS:32767<CR>		
	RX	N/A		
Sets the diagnstic mode for all thirty digital outputs to the new diagnstic mode DiagnosticDOS The new diagnstic state for all digital outputs Bit 0: Diagnostic state of DO1 (=0:DISABLED, =1:ENABLED) Bit 1: Diagnostic state of DO2 (=0:DISABLED, =1:ENABLED) Bit 2: Diagnostic state of DO3 (=0:DISABLED, =1:ENABLED) Bit 3: Diagnostic state of DO4 (=0:DISABLED, =1:ENABLED) Bit 4: Diagnostic state of DO5 (=0:DISABLED, =1:ENABLED) Bit 5: Diagnostic state of DO6 (=0:DISABLED, =1:ENABLED) Bit 6: Diagnostic state of DO7 (=0:DISABLED, =1:ENABLED) Bit 7: Diagnostic state of DO8 (=0:DISABLED, =1:ENABLED) Bit 8: Diagnostic state of DO9 (=0:DISABLED, =1:ENABLED) Bit 9: Diagnostic state of DO10 (=0:DISABLED, =1:ENABLED) Bit 10: Diagnostic state of DO11 (=0:DISABLED, =1:ENABLED) Bit 11: Diagnostic state of DO12 (=0:DISABLED, =1:ENABLED) Bit 12: Diagnostic state of DO13 (=0:DISABLED, =1:ENABLED) Bit 13: Diagnostic state of DO14 (=0:DISABLED, =1:ENABLED) Bit 14: Diagnostic state of DO15 (=0:DISABLED, =1:ENABLED) Bits 15-31: Always 0				
SET DIAGNOSTIC DIGITAL OUTPUT DOx	**ASCII WRITE COMMAND**	#SDDO<DONR>:<DiagnosticDOx><CR> Result: #OK<CR>	ASCII	YES
	DONR	2		
	DO1	0:DISABLE		
	TX	#SDDO2:0<CR>		
	RX	N/A		

Sets the new diagnostic state for digital output DOx. The diagnostic state is defined with <DiagnosticDOx>.
The new diagnostic state of the digital output DOx:
=0: diagnostic mode for digital output is DISABLED
=1: diagnostic mode for digital output is ENABLED

GET DIAGNOSTIC DIGITAL OUTPUTS	**ASCII READ COMMAND**	#GDDOS<CR> Result: #GDDOS:<DiagnosticDOSDec>,<DiagnosticDOSHex><CR>	ASCII	
	TX	#GDDOS<CR>		
	RX	#255,GDDOS:0,0x0<CR>		
		Current diagnostic mode of digital outputs:00.0000.0000.0000.0000.0000.0000.0000		

Returns the current diagnostic mode of the thirty digital outputs as decimal number and as hexadecimal number.
DiagnosticDOSDec, DiagnosticDOSHex
The current diagnostic mode of the digital outputs:
Bit 0: Diagnostic mode of DO1 (=0:DISABLED, =1:ENABLED)
Bit 1: Diagnostic mode of DO2 (=0:DISABLED, =1:ENABLED)
Bit 2: Diagnostic mode of DO3 (=0:DISABLED, =1:ENABLED)
Bit 3: Diagnostic mode of DO4 (=0:DISABLED, =1:ENABLED)
Bit 4: Diagnostic mode of DO5 (=0:DISABLED, =1:ENABLED)
Bit 5: Diagnostic mode of DO6 (=0:DISABLED, =1:ENABLED)
Bit 6: Diagnostic mode of DO7 (=0:DISABLED, =1:ENABLED)
Bit 7: Diagnostic mode of DO8 (=0:DISABLED, =1:ENABLED)
Bit 8: Diagnostic mode of DO9 (=0:DISABLED, =1:ENABLED)
Bit 9: Diagnostic mode of DO10 (=0:DISABLED, =1:ENABLED)
Bit 10: Diagnostic mode of DO11 (=0:DISABLED, =1:ENABLED)
Bit 11: Diagnostic mode of DO12 (=0:DISABLED, =1:ENABLED)
Bit 12: Diagnostic mode of DO13 (=0:DISABLED, =1:ENABLED)
Bit 13: Diagnostic mode of DO14 (=0:DISABLED, =1:ENABLED)
Bit 14: Diagnostic mode of DO15 (=0:DISABLED, =1:ENABLED)
Bits 15-31: Always 0

GET DIAGNOSTIC DIGITAL OUTPUT DOx	**ASCII READ COMMAND**	#GDDO<DONR><CR> Result: #GDDO<DONR>:<DiagnosticDOxDec>,<DiagnosticDOxHex><CR>	ASCII	
	DONR	2		
	TX	#GDDO2<CR>		
	RX	#255,GDDO2:0,0x0<CR>		
		Current diagnostic mode of digital output DO2:0=DISABLED		

Returns the current diagnostic mode of the digital output DOx as decimal number and as hexadecimal number. X stands for the number of the digital output from 1 to 30.
DiagnosticDOxDec, DiagnosticDOxHex
The current diagnostic mode of the digital output DOx:
=0: diagnostic mode for digital output is DISABLED
=1: diagnostic mode for digital output is ENABLED

GET DIAGNOSTIC STATUS DIGITAL OUTPUTS	**ASCII READ COMMAND**	#GDSDOS<CR> Result: #GDSDOS:<DiagStateDOSDec>,<DiagStateDOSHex><CR>	ASCII	
	TX	#GDSDOS<CR>		
	RX	#255,GDSDOS:0,0x0<CR>		
		Current diagnstic status of digital outputs:00.0000.0000.0000.0000.0000.0000.0000		

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Returns the current diagnostic state of the thirty digital outputs as decimal number and as hexadecimal number.
Be aware that you have to enable the diagnstic mode for the DOs, if you want to use this feature.
DiagStateDOSDec, DiagStateDOSHex
The current diagnstic state of the digital outputs:
Bit 0: Diagnostic state of DO1 (=0:NO FAULT, =1:FAULT)
Bit 1: Diagnostic state of DO2 (=0:NO FAULT, =1:FAULT)
Bit 2: Diagnostic state of DO3 (=0:NO FAULT, =1:FAULT)
Bit 3: Diagnostic state of DO4 (=0:NO FAULT, =1:FAULT)
Bit 4: Diagnostic state of DO5 (=0:NO FAULT, =1:FAULT)
Bit 5: Diagnostic state of DO6 (=0:NO FAULT, =1:FAULT)
Bit 6: Diagnostic state of DO7 (=0:NO FAULT, =1:FAULT)
Bit 7: Diagnostic state of DO8 (=0:NO FAULT, =1:FAULT)
Bit 8: Diagnostic state of DO9 (=0:NO FAULT, =1:FAULT)
Bit 9: Diagnostic state of DO10 (=0:NO FAULT, =1:FAULT)
Bit 10: Diagnostic state of DO11 (=0:NO FAULT, =1:FAULT)
Bit 11: Diagnostic state of DO12 (=0:NO FAULT, =1:FAULT)
Bit 12: Diagnostic state of DO13 (=0:NO FAULT, =1:FAULT)
Bit 13: Diagnostic state of DO14 (=0:NO FAULT, =1:FAULT)
Bit 14: Diagnostic state of DO15 (=0:NO FAULT, =1:FAULT)

GET DIAGNOSTIC STATUS DIGITAL OUTPUT DOx	**ASCII READ COMMAND**	#GDSDO<DONR><CR> Result: #GDSDO<DONR>:<DiagStateDOxDec>,<DiagStateDOxHex><CR>	ASCII	
	DONR	2		
	TX	#GDSDO2<CR>		
	RX	#255,GDSDO2:0,0x0<CR>		
		Current diagnostic status of digital output DO2:0=NO FAULT		

Returns the current diagnostic state of the digital output DOx as decimal number and as hexadecimal number. X stands for the number of the digital output.
DiagStateDOxDec, DiagStateDOxHex
The current diagnostic state of the digital output DOx:
=0: Diagnostic state for digital output x is NO FAULT
=1: Diagnostic state for digital output x is FAULT

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DIGITAL OUTPUTS				
GET THERMAL STATUS DIGITAL OUTPUT GROUPS	**ASCII READ COMMAND**	#GTSDOGS<CR> Result: #GTSDOGS:<ThermalDOGSDec>,<ThermalDOGSHex><CR>	ASCII	
	TX	#GTSDOGS<CR>		
	RX	#255,GTSDOGS:0,0x0<CR>		
		Current thermal status of digital output groups:00		
Returns the current thermal state of the corresponding output group as decimal number and as hexadecimal number. ThermalDOGSDec,ThermalDOGSHex The current thermal state of the digital output group: Bit 0: Thermal state of digital output group #1 (DO1-DO8) (=0:NO FAULT, =1:FAULT) Bit 1: Thermal state of digital output group #2 (DO9-DO15) (=0:NO FAULT, =1:FAULT) Bits 2-31: Always 0				
GET THERMAL STATUS DIGITAL OUTPUT GROUPx	**ASCII READ COMMAND**	#GTSDOG<DOGRP><CR> Result: #GTSDOG<DOGRP>:<ThermalDOGxDec>,<ThermalDOGxHex><CR>	ASCII	
	DOGRP	2		
	TX	#GTSDOG2<CR>		
	RX	#255,GTSDOG2:0,0x0<CR>		
		Current thermal status of digital output group DOG2:0=NO FAULT		
Returns the current thermal state of the digital output group DOGRP as decimal number and as hexadecimal number. X stands for the number of the digital output group from 1 to 4. ThermalDOGxDec, ThermalDOGxHex The current thermal state of the digital output group DOGRP: =0: Thermal state for output group is OK (NO FAULT) =1: Thermal state for output group is FAULT Digital output group #1 is DO1-DO8. Digital output group #2 is DO9-DO15.				
GET POWER STATUS DIGITAL OUTPUT GROUPS	**ASCII READ COMMAND**	#GPSDOGS<CR> Result: #GPSDOGS:<PowerDOGSDec>,<PowerDOGSHex><CR>	ASCII	
	TX	#GPSDOGS<CR>		
	RX	#255,GPSDOGS:3,0x3<CR>		
		Current power status of digital output groups:11		
Returns the current power supply state of the corresponding output group as decimal number and as hexadecimal number. PowerDOGSDec,PowerDOGSHex The current power supply state of the digital output group: Bit 0: Power supply state of digital output group #1 (DO1-DO8) (=0:NO FAULT, =1:FAULT) Bit 1: Power supply state of digital output group #2 (DO9-DO15) (=0:NO FAULT, =1:FAULT) Bits 2-31: Always 0				
GET POWER STATUS DIGITAL OUTPUT GROUPx	**ASCII READ COMMAND**	#GPSDOG<DOGRP><CR> Result: #GPSDOG<DOGRP>:<PowerDOGxDec>,<PowerDOGxHex><CR>	ASCII	
	DOGRP	2		
	TX	#GPSDOG2<CR>		
	RX	#255,GPSDOG2:1,0x1<CR>		
		Current power status of digital output group DOG2:1=FAULT		

Returns the current power supply state of the digital output group DOGRP as decimal number and as hexadecimal number. X stands for the number of the digital output group from 1 to 4.
PowerDOGxDec, PowerDOGxHex
The current power supply state of the digital output group DOGRP:
=0: Power supply state for output group is OK (NO FAULT)
=1: Power supply state for output group is FAULT

Digital output group #1 is DO1-DO8.
Digital output group #2 is DO9-DO15.

GET SPI STATUS DIGITAL OUTPUT GROUPS	**ASCII READ COMMAND**	#GSSDOGS<CR> Result: #GSSDOGS:<SPIDOGSDec>,<SPIDOGSHex><CR>	ASCII	
	TX	#GSSDOGS<CR>		
	RX	#255,GSSDOS:0,0x0<CR>		
		Current SPI status of digital output groups:00		

Returns the current SPI communication state of the corresponding output group as decimal number and as hexadecimal number.
SPIDOGSDec,SPIDOGSHex
The current SPI communcation state of the digital output group:
Bit 0: SPI communication state for digital output group #1 (DO1-DO8) (=0:NO FAULT, =1:FAULT)
Bit 1: SPI communication state for digital output group #2 (DO9-DO15) (=0:NO FAULT, =1:FAULT)
Bits 2-31: Always 0

GET SPI STATUS DIGITAL OUTPUT GROUPx	**ASCII READ COMMAND**	#GSSDOG<DOGRP><CR> Result: #GSSDOG<DOGRP>:<SPIDOGxDec>,<SPIDOGxHex><CR>	ASCII	
	DOGRP	2		
	TX	#GSSDOG2<CR>		
	RX	#255,GSSDO2:0,0x0<CR>		
		Current SPI status of digital output group DOG2:0=NO FAULT		

Returns the current SPI communication state of the digital output group DOGRP as decimal number and as hexadecimal number. X stands for the number of the digital output group from 1 to 4.
SPIDOGxDec, SPIDOGxHex
The current SPI communcation state of the digital output group DOGRP:
=0: SPI communcation state for output group is OK (NO FAULT)
=1: SPI communcation state for output group is FAULT

Digital output group #1 is DO1-DO8.
Digital output group #2 is DO9-DO15.

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