CONVERTER STATUS	3x05051 4x05051 I:5050	0,0x0000 B:00 00			UINT16 R/O	
DIP SWITCH	3x10010 4x10010 I:10009	15,0x000F B:00 0F			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)						
SOFTWARE RESET						
RESET	1x06001 2x06001 I:6000	0,0x00 B:00		N/A:NO CHANGE	BIT R/W	YES
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	3x06001 4x06001 I:6000	0,0x0000 B:00 00		N/A:NO CHANGE	UINT16 R/W	YES
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).						
PRODUCT DATA						
HW_GROUP	3x65201 4x65201 I:65200	8336,0x2090 B:20 90			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x65202 4x65202 I:65201	4096,0x1000 B:10 00			UINT16 R/O	
This is the group of software of the current product						
SW_VERSION	3x65203 4x65203 I:65202	4352,0x1100 B:11 00			UINT16 R/O	
		SW VERSION:1.1.0				
This is the cuirrent software version of the firmware						
SW_AUTHOR	3x65204 4x65204 I:65203	18771,0x4953 B:49 53			UINT16 R/O	
This is the cuirrent software author of the firmware						
MODBUS SETTINGS						
UNIT_ID	3x65222 4x65222 I:65221	65535,0xFFFF B:FF FF		N/A:NO CHANGE	UINT16 R/W	NO
		UNIT ID:255				

f the host reads this register, the current programmed unit ID is returned. All values above unit ID 255 define also the unit ID 255.
If the host write a new value into this register, the new value will be stored in the FLASH as the new unit ID. The new unit ID is activated after a power off/power on cycle or a software reboot of the module.
The host can execute a reboot in writing to the register RESET SYSTEM.
NOTE:DIP switch 4 must set to OFF to activate this unit ID, otherwise the unit ID is 255.

HINT:This settings will be active after you repower or reset your device !!

BAUD_RATE	3x65223 4x65223 I:65222	4294967295,0xFFFFFFFF B:FF FF FF FF	38400	38400	UINT32 R/W	NO
		57600Bd		ENTER BAUD RATE		

This is the current configured baud rate for DIP switch mode DIP1=ON, DIP2=ON (default is 57600bd)
DIP switch settings:
DIP1-DIP2
OFF-OFF:9600bd
ON-OFF:19200bd
OFF-ON:38400bd
ON-ON:default 57600bd or the defined baud rate

Valid baud rates are:
300bd
600bd
1200bd
2400bd
4800bd
9600bd
19200bd
38400bd
all other:57600bd

HINT:This settings will be active after you repower or reset your device !!

PARITY	3x65225 4x65225 I:65224	65535,0xFFFF B:FF FF		N/A:NO CHANGE	UINT16 R/W	NO
		NO PARITY		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	3x65226 4x65226 I:65225	65535,0xFFFF B:FF FF		N/A:NO CHANGE	UINT16 R/W	NO
		ONE STOPBIT		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

GET VERSION	**ASCII READ COMMAND**	#VERSION<CR> #VER<CR> Result: #VERSION:<VersionHi>,<VersionMed>,<VersionLo><CR>	ASCII	
	TX	#VERSION<CR>		
	RX	#255,VERSION:1.1.0<CR>		
		Current SW version:1.1.0		
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> #TYP<CR> Result: #TYPE:<Type><CR>	ASCII	
	TX	#TYPE<CR>		
	RX	#255,TYPE:RESI-1S0-SIO<CR>		
		Current module type:RESI-1S0-SIO		
Returns the current module type				
GET OWNER	**ASCII READ COMMAND**	#OWNER<CR> #OWN<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> #CRE<CR> Result: #CREATOR:<Creator><CR>	ASCII	
	TX	#CREATOR<CR>		
	RX	#255,CREATOR:DI HC SIGL,MSC<CR>		
		Current creator:DI HC SIGL,MSC		
Returns the current creator of the module				
GET COPYRIGHT	**ASCII READ COMMAND**	#COPYRIGHT<CR> #COPY<CR> Result: #COPYRIGHT:<Copyright><CR>	ASCII	
	TX	#COPYRIGHT<CR>		
	RX	#255,COPYRIGHT:2016,2020 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC<CR>		
		Current copyright:2016,2020 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC		
Returns the current copyright of the module				

GET DIP SWITCH	**ASCII READ COMMAND**	#GET DIP<CR> #GDIP<CR> Result: #GDIP:<DIPSwitchDec>,<DIPSwitchHex><CR>	ASCII	
	TX	#GET DIP<CR>		
	RX	#255,GDIP:15,0xF<CR>		
		Current DIP SWITCH settings:1111		
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)				
ASCII COMMANDS				
SET MODBUS ADDRESS	**ASCII WRITE COMMAND**	#SET MODBUS ADDRESS:<UNITID><CR> #SMBADR:<UNITID><CR> Result: #OK<CR>	ASCII	NO
	UNITID	1		
	TX	#SET MODBUS ADDRESS:1<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**	#SET MODBUS BAUDRATE:<BAUD><CR> #SMBBAUD:<BAUD><CR> Result: #OK<CR>	ASCII	NO
	BAUD	57600:57600BD		
	TX	#SET MODBUS BAUDRATE:57600<CR>		
	RX	N/A		
Sets a new baudrate for the serial interface, if DIP Switches DIP1=ON and DIP2=ON. The following baudrates are allowed: 300bd 600bd 1200bd 2400bd 4800bd 9600bd 19200bd 38400bd all others are interpreted as 57600bd HINT: The new setup parameters will be active after a restart of the module.				

SET MODBUS PARITY	**ASCII WRITE COMMAND**	#SET MODBUS PARITY:<PARITY><CR> #SMBPAR:<PARITY><CR> Result: #OK<CR>	ASCII	NO
	PARITY	NONE:NO PARITY		
	TX	#SET MODBUS PARITY:NONE<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**	#SET MODBUS STOP:<STOPBIT><CR> #SETMBSTOP:<STOPBIT><CR> Result: #OK<CR>	ASCII	NO
	STOPBIT	ONE:ONE STOPBIT		
	TX	#SET MODBUS STOP:ONE<CR>		
	RX	N/A		
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**	#SET MODBUS PARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> #SMBPARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> Result: #OK<CR>	ASCII	NO
	UNITID	1		
	BAUD	57600:57600BD		
	PARITY	NONE:NO PARITY		
	STOPBIT	ONE:ONE STOPBIT		
	TX	#SET MODBUS PARAMS:1,57600,NONE,ONE<CR>		
	RX	N/A		
Sets all parameters for serrial interface				
GET MODBUS ADDRESS	**ASCII READ COMMAND**	#GET MODBUS ADDRESS<CR> #GMBADR<CR> Result: #GMBADR:<MBUnitDec>,<MBFLASHDec>,<MBUnitHex>,<MBFLASHHex><CR>	ASCII	
	TX	#GET MODBUS ADDRESS<CR>		
	RX	#255,GMBADR:255,0xFF,65535,0xFFFF<CR>		
		Current MODBUS unit ID for DIP4=OFF:255,0xFF,65535,0xFFFF		

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**	#GET MODBUS BAUDRATE<CR> #GMBBAUD<CR> Result: #GMBBAUD:<BaudRate><CR>	ASCII	
	TX	#GET MODBUS BAUDRATE<CR>		
	RX	#255,GMBBAUD:57600<CR>		
		Current baudrate for DIP1+2=ON:57600		

Returns the current defined baud rate for the serial interface, if DIP switches DIP1=ON and DIP2=ON.
The following baudrates are allowed:
300bd
600bd
1200bd
2400bd
4800bd
9600bd
19200bd
38400bd
all others are interpreted as 57600bd

GET MODBUS PARITY	**ASCII READ COMMAND**	#GET MODBUS PARITY<CR> #GMBPAR<CR> Result: #GMBPAR:<MBParity><CR>	ASCII	
	TX	#GET MODBUS PARITY<CR>		
	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**	#GET MODBUS STOP<CR> #GMBSTOP<CR> Result: #GMBSTOP:<MBStop><CR>	ASCII	
	TX	#GET MODBUS STOP<CR>		
	RX	#255,GMBSTOP:ONE<CR>		
		Current stopbit(s):ONE		

Returns the current configured amount of stop bits for the serial interface.
MBStops
ONE: one stop bit
TWO: two stop bits

GET MODBUS PARAMS	**ASCII READ COMMAND**	#GET MODBUS PARAMS<CR> #GMBPARAMS<CR> Result: #GMBPARAMS:<MBUnitDec>,<MBFLASHDec>,<MBUnitHex>,<MBFLASHHex>, <MBBaudrateDec>,<MBBaudrateHex>,<MBParity>,<MBStops><CR>	ASCII	
	TX	#GET MODBUS PARAMS<CR>		
	RX	#255,GMBPARAMS:255,0xFF,65535,0xFFFF,57600,0xE100,NONE,ONE<CR>		
		Current MODBUS unit ID used:255		
		Current MODBUS unit ID in FLASH:65535		
		Current baudrate in FLASH:57600		
		Current parity in FLASH:NONE		
		Current stopbit(s) in FLASH:ONE		
Returns the complete settings for serial interface				
ASCII COMMANDS				
RESET	**ASCII WRITE COMMAND**	#RESET<CR> #RST<CR> Result: #OK<CR>	ASCII	NO
	TX	#RESET<CR>		
	RX	N/A		
Executes a software reset (Reboot) of the module.				
FACTORY RESET	**ASCII WRITE COMMAND**	#FACTORY RESET<CR> #FRST<CR> Result: #OK<CR>	ASCII	NO
	TX	#FACTORY RESET<CR>		
	RX	N/A		

2RI STATUS	3x05052 4x05052 I:5051	0,0x0000 B:00 00			SINT16 R/O	
Shows the internal converter status: =0: Everything is ok !=0: Internal converter problem or error						
DIGITAL INPUTS						
DIGITAL INPUT1	1x00001 2x00001 I:0	0,0x00 B:00			BIT R/O	
Current state of digital input DI1 =0:DI is OFF =1:DI is ON						
DIGITAL INPUT2	1x00002 2x00002 I:1	0,0x00 B:00			BIT R/O	
Current state of digital input DI2 =0:DI is OFF =1:DI is ON						
NEGATED DIGITAL INPUT1	1x00003 2x00003 I:2	1,0x01 B:01			BIT R/O	
Current negated state of digital input DI1 =0:DI is ON =1:DI is OFF						
NEGATED DIGITAL INPUT2	1x00004 2x00004 I:3	1,0x01 B:01			BIT R/O	
Current negated state of digital input DI2 =0:DI is ON =1:DI is OFF						
OR DIGITAL INPUTS	1x00005 2x00005 I:4	0,0x00 B:00			BIT R/O	
Bitwise OR between both digital inputs DI1 OR DI2DI1DI2DI1 OR DI2OFFOFF=0OFFON=1ONOFF=1ONON=1						
XOR DIGITAL INPUTS	1x00006 2x00006 I:5	0,0x00 B:00			BIT R/O	

Bitwise EXCLUSIVE OR between both digital inputs DI1 XOR DI2DI1DI2DI1 EXKLUSIVE OR DI2OFFOFF=0OFFON=1ONOFF=1ONON=0						
AND DIGITAL INPUTS	1x00007 2x00007 I:6	0,0x00 B:00			BIT R/O	
Bitwise AND between both digital inputs DI1 AND DI2DI1DI2DI1 AND DI2OFFOFF=0OFFON=0ONOFF=0ONON=1						
RESET COUNTER	1x00100 2x00100 I:99	0,0x00 B:00		N/A:NO CHANGE	BIT R/W	NO
Reset, resetting of the internal edge counters to 0. If read, this bit is always 0.						
DIGITAL INPUTS						
DIGITAL INPUT1	3x00001 4x00001 I:0	0,0x0000 B:00 00			UINT16 R/O	
Current state of digital input DI1 =0:DI is OFF =1:DI is ON						
DIGITAL INPUT2	3x00002 4x00002 I:1	0,0x0000 B:00 00			UINT16 R/O	
Current state of digital input DI2 =0:DI is OFF =1:DI is ON						
DIGITAL INPUTS	3x00003 4x00003 I:2	0,0x0000 B:00 00			UINT16 R/O	
		BITS:0000.0000.0000.0000				
Current state of all digital inputsBit 0: =0:DI1 is OFF =1:DI1 is ONBit 1: =0:DI2 is OFF =1:DI2 is ON						
NEGATED DIGITAL INPUT1	3x00004 4x00004 I:3	1,0x0001 B:00 01			UINT16 R/O	

Current negated state of digital input DI1 =0:DI is ON =1:DI is OFF						
NEGATED DIGITAL INPUT2	3x00005 4x00005 I:4	1,0x0001 B:00 01			UINT16 R/O	
Current negated state of digital input DI2 =0:DI is ON =1:DI is OFF						
NEGATED DIGITAL INPUTS	3x00006 4x00006 I:5	3,0x0003 B:00 03			UINT16 R/O	
		BITS:0000.0000.0000.0011				
Current negated state of all digital inputsBit 0: =0:DI1 is ON =1:DI1 is OFFBit 1: =0:DI2 is ON =1:DI2 is OFF						
OR DIGITAL INPUTS	3x00007 4x00007 I:6	0,0x0000 B:00 00			UINT16 R/O	
Bitwise OR between both digital inputs DI1 OR DI2DI1DI2DI1 OR DI2OFFOFF=0OFFON=1ONOFF=1ONON=1						
XOR DIGITAL INPUTS	3x00008 4x00008 I:7	0,0x0000 B:00 00			UINT16 R/O	
Bitwise EXCLUSIVE OR between both digital inputs DI1 XOR DI2DI1DI2DI1 EXKLUSIVE OR DI2OFFOFF=0OFFON=1ONOFF=1ONON=0						
AND DIGITAL INPUTS	3x00009 4x00009 I:8	0,0x0000 B:00 00			UINT16 R/O	
Bitwise AND between both digital inputs DI1 AND DI2DI1DI2DI1 AND DI2OFFOFF=0OFFON=0ONOFF=0ONON=1						
RISE DI1	3x00051 4x00051 I:50	0,0x0000 B:00 00			UINT16 R/O	
		Amount of rising edges on DI1:0				

Edge counter for rising edges on the digital input DI1. If the module detects a rising edge on the input DI1, this counter increments with 1. After a reset or a power loss of the module all internal edge counters are 0. With the function RESET COUNTER the host can cleat this counter to 0.						
FALL DI1	3x00052 4x00052 I:51	0,0x0000 B:00 00			UINT16 R/O	
		Amount of falling edges on DI1:0				
Edge counter for falling edges on the digital input DI1. If the module detects a falling edge on the input DI1, this counter increments with 1. After a reset or a power loss of the module all internal edge counters are 0. With the function RESET COUNTER the host can cleat this counter to 0.						
RISE DI2	3x00053 4x00053 I:52	0,0x0000 B:00 00			UINT16 R/O	
		Amount of rising edges on DI1:0				
Edge counter for rising edges on the digital input DI2. If the module detects a rising edge on the input DI2, this counter increments with 1. After a reset or a power loss of the module all internal edge counters are 0. With the function RESET COUNTER the host can cleat this counter to 0.						
FALL DI2	3x00054 4x00054 I:53	0,0x0000 B:00 00			UINT16 R/O	
		Amount of falling edges on DI1:0				
Edge counter for falling edges on the digital input DI2. If the module detects a falling edge on the input DI2, this counter increments with 1. After a reset or a power loss of the module all internal edge counters are 0. With the function RESET COUNTER the host can cleat this counter to 0.						
RESET COUNTER	3x00100 4x00100 I:99	0,0x0000 B:00 00		N/A:NO CHANGE	UINT16 R/O	NO
Reset, resetting of the internal edge counters to 0. If read, this bit is always 0.						

GET DI1	**ASCII READ COMMAND**	#GET DI1<CR> #GDI1<CR> Result: #GDI1:<DI1Dec>,<DI1Hex><CR>	ASCII	
	TX	#GET DI1<CR>		
	RX	#255,GDI1:0<CR>		
		Current status of digital input DI1:0		
Returns the current state of digital input DIx as decimal number and as hexadecimal numberDI1DecDI1HexThe current state of digital input DIx: =0: Digital input is OFF=1: Digital input is ON				
GET DI2	**ASCII READ COMMAND**	#GET DI2<CR> #GDI2<CR> Result: #GDI2:<DI2Dec>,<DI2Hex><CR>	ASCII	
	TX	#GET DI2<CR>		
	RX	#255,GDI2:0<CR>		
		Current status of digital input DI2:0		
Returns the current state of digital input DIx as decimal number and as hexadecimal numberDI2DecDI2HexThe current state of digital input DIx: =0: Digital input is OFF=1: Digital input is ON				
GET DIS	**ASCII READ COMMAND**	#GET DIS<CR> #GDIS<CR> Result: #GTS:<SENSOR1Dbl>,<SENSOR2Dbl><CR>	ASCII	
	TX	#GET DIS<CR>		
	RX	#255,GDIS:0,0x0<CR>		
		Current status of digital inputs DI1:0,DI2:0		
Returns the current state of both digital inputs of the module as decimal number and as hexadecimal numberDISDecDISHexThe current state of all digital inputs:Bit 0: State DI1 (=0:OFF, =1:ON)Bit 1: State DI2 (=0:OFF, =1:ON)				
GET NEG DI1	**ASCII READ COMMAND**	#GET NEG DI1<CR> #GNDI1<CR> Result: #GNDI1:<NDI1Dec>,<NDI1Hex><CR>	ASCII	
	TX	#GET NEG DI1<CR>		
	RX	#255,GNDI1:1<CR>		
		Current status of negated digital input DI1:1		

Returns the current state of the negated digital input DIx as decimal number and as hexadecimal number NDI1Dec NDI1Hex The current negated state of digital input DIx: =0: Digital input is ON =1: Digital input is OFF				
GET NEG DI2	**ASCII READ COMMAND**	#GET NEG DI2<CR> #GNDI2<CR> Result: #GNDI2:<DI2Dec>,<DI2Hex><CR>	ASCII	
	TX	#GET NEG DI2<CR>		
	RX	#255,GNDI2:1<CR>		
		Current status of negated digital input DI2:1		
Returns the current state of the negated digital input DIx as decimal number and as hexadecimal number NDI2Dec NDI2Hex The current negated state of digital input DIx: =0: Digital input is ON =1: Digital input is OFF				
GET NEG DIS	**ASCII READ COMMAND**	#GET NEG DIS<CR> #GNDIS<CR> Result: #GNDIS:<NDISDec>,<NDISHex><CR>	ASCII	
	TX	#GET NEG DIS<CR>		
	RX	#255,GNDIS:3,0x3<CR>		
		Current status of negated digital inputs DI1:1,DI2:1		
Returns the current negated states of both digital inputs as decimal number and as hexadecimal numberNDISDecNDISHexThe current negated state of all digital inputs:Bit 0: Negated state of DI1 (=0:ON, =1:OFF)Bit 1: Negated state of DI2 (=0:ON, =1:OFF)				
OR DIS	**ASCII READ COMMAND**	#OR DIS<CR> #ORDIS<CR> Result: #ORDIS:<ORDISDec>,<ORDISHex><CR>	ASCII	
	TX	#OR DIS<CR>		
	RX	#255,ORDIS:0,0x0<CR>		
		Current result of OR between all digital inputs:0		
Returns the result of a bitwise OR operation between the both digital inputs DI1 and DI2 as decimal number and as hexadecimal numberORDISDecORDISHexBitwise OR operation between DI2 and DI1: DI1DI2OROFFOFF=0OFFON=1ONOFF=1ONON=1				

XOR DIS	**ASCII READ COMMAND**	#XOR DIS<CR> #XORDIS<CR> Result: #XORDIS:<XORDISDec>,<XORDISHex><CR>	ASCII	
	TX	#XOR DIS<CR>		
	RX	#255,XORDIS:0,0x0<CR>		
		Current result of XOR between all digital inputs:0		
Returns the result of a bitwise EXCLUSIVE OR operation between the both digital inputs DI1 and DI2 as decimal number and as hexadecimal numberXORDISDecXORDISHexBitwise XOR operation between DI1 and DI2: DI1DI2EXKLUSIVE OROFFOFF=0OFFON=1ONOFF=1ONON=0				
AND DIS	**ASCII READ COMMAND**	#AND DIS<CR> #ANDDIS<CR> Result: #ANDDIS:<ANDDISDec>,<ANDDISHex><CR>	ASCII	
	TX	#AND DIS<CR>		
	RX	#255,ANDDIS:0,0x0<CR>		
		Current result of AND between all digital inputs:0		
Returns the result of a bitwise AND operation between the both digital inputs DI1 and DI2 as decimal number and as hexadecimal numberANDDISDecANDDISHexBitwise AND operation between DI1 and DI2: DI1DI2ANDOFFOFF=0OFFON=0ONOFF=0ONON=1				
RISE DI1	**ASCII READ COMMAND**	#RISE DI1<CR> #RDI1<CR> Result: #RDI1:<RDI1Dec>,<RDI1Hex><CR>	ASCII	
	TX	#RISE DI1<CR>		
	RX	#255,RDI1:0,0x0<CR>		
		Current amount of rising edges on DI1:0		
Returns the current edge counter for the digital input DIx. This counter counts the rising edges of DIx since reset of the module as decimal number and as hexadecimal number RDI1Dec RDI1Hex The current amount of rising edges on digital input DIx				
FALL DI1	**ASCII READ COMMAND**	#FALL DI1<CR> #FDI1<CR> Result: #FDI1:<FDI1Dec>,<FDI1Hex><CR>	ASCII	
	TX	#FALL DI1<CR>		
	RX	#255,FDI1:0,0x0<CR>		

		Current amount of falling edges on DI1:0		
Returns the current edge counter for the digital input DIx. This counter counts the falling edges of DIx since reset of the module as decimal number and as hexadecimal number FDI1Dec FDI1Hex The current amount of falling edges on digital input DIx				
RISE DI2	**ASCII READ COMMAND**	#RISE DI2<CR> #RDI2<CR> Result: #RDI2:<RDI2Dec>,<RDI2Hex><CR>	ASCII	
	TX	#RISE DI2<CR>		
	RX	#255,RDI2:0,0x0<CR>		
		Current amount of rising edges on DI1:0		
Returns the current edge counter for the digital input DIx. This counter counts the rising edges of DIx since reset of the module as decimal number and as hexadecimal number RDIxDec RDIxHex The current amount of rising edges on digital input DIx				
FALL DI2	**ASCII READ COMMAND**	#FALL DI2<CR> #FDI2<CR> Result: #FDI2:<FDI2Dec>,<FDI2Hex><CR>	ASCII	
	TX	#FALL DI2<CR>		
	RX	#255,FDI2:0,0x0<CR>		
		Current amount of falling edges on DI1:0		
Returns the current edge counter for the digital input DIx. This counter counts the falling edges of DIx since reset of the module as decimal number and as hexadecimal number FDIxDec FDIxHex The current amount of falling edges on digital input DIx				
RESET COUNTERS	**ASCII WRITE COMMAND**	#RESET COUNTERS<CR> #RC<CR> Result: #OK<CR>	ASCII	NO
	TX	#RESET COUNTERS<CR>		
	RX	N/A		
Resets all edge counters to zero in the module.				