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		

S0 PULSES1	3x00001 4x00001 I:0	105,0x00000069 B:00 00 00 69			UINT32 R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						
S0 DELAY1	3x00003 4x00003 I:2	1,0x00000001 B:00 00 00 01	30	30	UINT32 R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						
S0 PULSE FACTOR1	3x00005 4x00005 I:4	0,0x00000000 B:00 00 00 00	123456	123,456	UINT32 R/W	NO
		Pulse factor :0->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x00007 4x00007 I:6	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		Current pulse sum:0,0->0,0				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						
S0 PULSES1	3x00011 4x00011 I:10	105,0x00000069 B:00 69 00 00			UINT32R R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						
S0 DELAY1	3x00013 4x00013 I:12	1,0x00000001 B:00 01 00 00	30	30	UINT32R R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						
S0 PULSE FACTOR1	3x00015 4x00015 I:14	0,0x00000000 B:00 00 00 00	123456	123,456	UINT32R R/W	NO
		Pulse factor :0->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x00017 4x00017 I:16	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		Current pulse sum:0->0,000				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						
S0 PULSES1	3x00021 4x00021 I:20	105.000000,0x42D20000 B:42 D2 00 00			FLOAT32 R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						

S0 DELAY1	3x00023 4x00023 I:22	1.000000,0x3F800000 B:3F 80 00 00	30	30	FLOAT32 R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						
S0 PULSE FACTOR1	3x00025 4x00025 I:24	0.000000,0x00000000 B:00 00 00 00	3,1415926	3,142	FLOAT32 R/W	NO
		Pulse factor :0,000->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x00027 4x00027 I:26	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
		Current pulse sum:0,000->0,000				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						
S0 PULSES1	3x00031 4x00031 I:30	105.000000,0x42D20000 B:00 00 42 D2			FLOAT32R R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						
S0 DELAY1	3x00033 4x00033 I:32	1.000000,0x3F800000 B:00 00 3F 80	30	30	FLOAT32R R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						
S0 PULSE FACTOR1	3x00035 4x00035 I:34	0.000000,0x00000000 B:00 00 00 00	3,1415926	3,142	FLOAT32R R/W	NO
		Pulse factor :0,000->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x00037 4x00037 I:36	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		Current pulse sum:0,000->0,000				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						
S0 PULSES1	3x00101 4x00101 I:100	105.000000,0x405A400000000000 B:40 5A 40 00 00 00 00 00			DOUBLE64 R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						
S0 DELAY1	3x00105 4x00105 I:104	1.000000,0x3FF0000000000000 B:3F F0 00 00 00 00 00 00	30	30	DOUBLE64 R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						

S0 PULSE FACTOR1	3x00109 4x00109 I:108	0.000000,0x00000000 B:00 00 00 00 00 00 00 00	3,1415926	3,142	DOUBLE64 R/W	NO
		Pulse factor :0,000->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x00113 4x00113 I:112	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
		Current pulse sum:0,000->0,000				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						
S0 PULSES1	3x00201 4x00201 I:200	105.000000,0x405A400000000000 B:00 00 00 00 40 00 40 5A			DOUBLE64R R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						
S0 DELAY1	3x00205 4x00205 I:204	1.000000,0x3FF0000000000000 B:00 00 00 00 00 00 3F F0	30	30	DOUBLE64R R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						
S0 PULSE FACTOR1	3x00209 4x00209 I:208	0.000000,0x00000000 B:00 00 00 00 00 00 00 00	3,1415926	3,142	DOUBLE64R R/W	NO
		Pulse factor :0,000->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x00213 4x00213 I:212	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
		Current pulse sum:0,000->0,000				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						

S0 DELAY1	3x01001 4x01001 I:1000	1,0x0001 B:00 01	30	30	UINT16 R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						
CLEAR PARAMS	3x01003 4x01003 I:1002	0,0x0000 B:00 00	21061	0x5245	UINT16 R/W	NO
Clear all pulses for all S0 input channels and resets the parameters to default values. But you have to write the magic number 0x5245 or 21061 in decimal to this register to activate this function						
CLEAR PARAMS CH1	3x01004 4x01004 I:1003	0,0x0000 B:00 00	21061	0x5245	UINT16 R/W	NO
Clear all pulses for S0 input channel 1 and reset the parameters to default values. But you have to write the magic number 0x5245 or 21061 in decimal to this register to activate this function						
S0 INPUT #1						
S0 PULSES1	3x02001 4x02001 I:2000	105,0x00000069 B:00 00 00 69			UINT32 R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						
S0 DELAY1	3x02003 4x02003 I:2002	1,0x00000001 B:00 00 00 01	30	30	UINT32 R/W	NO
		Pulse delay time:1,0ms				
Sets or returns the current delay time for the digital filter of the S0 pulse input						
S0 PULSE FACTOR1	3x02005 4x02005 I:2004	0,0x00000000 B:00 00 00 00	123456	123,456	UINT32 R/W	NO
		Pulse factor :0->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x02007 4x02007 I:2006	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		Current pulse sum:0->0,000				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						
S0 PULSES1	3x02021 4x02021 I:2020	105,0x00000069 B:00 69 00 00			UINT32R R/O	
		Total pulses:105				
Total amount of pulses counted on pulse input x						
S0 DELAY1	3x02023 4x02023 I:2022	1,0x00000001 B:00 01 00 00	30	30	UINT32R R/W	NO
		Pulse delay time:1,0ms				

Sets or returns the current delay time for the digital filter of the S0 pulse input						
S0 PULSE FACTOR1	3x02025 4x02025 I:2024	0,0x00000000 B:00 00 00 00	123456	123,456	UINT32R R/W	NO
		Pulse factor :0->0,000				
Sets or returns the current factor for the multiplication of the current pulses to build the pulse sum value						
S0 PULSE SUM1	3x02027 4x02027 I:2026	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		Current pulse sum:0->0,000				
Returns the sum of the pulses multiplied by current pulse factor to represent a physical unit						

CLEAR PARAMS CH1	**ASCII WRITE COMMAND**	#CLEAR PARAMS CH1<CR> #CP1<CR> Result: #OK<CR>	ASCII	NO
	TX	#CLEAR PARAMS CH1<CR>		
	RX	N/A		
This command clears all parameters for S0 input 1 and initialize the channel to default values				
CLEAR PARAMS	**ASCII WRITE COMMAND**	#CLEAR PARAMS<CR> #CPS<CR> Result: #OK<CR>	ASCII	NO
	TX	#CLEAR PARAMS<CR>		
	RX	N/A		
This command clears all parameters for all S0 inputs and initialize the channels to default values				
SHOW VALUES CH1	**ASCII READ COMMAND**	#SHOW VALUES CH1<CR> #SV1<CR> Result: #SV1:<PulsesDec>,<DelayDec>,<FactorFlt>,<SumFlt><CR>	ASCII	
	TX	#SHOW VALUES CH1<CR>		
	RX	#255,SV1:2,10,1.000000,2.000000<CR>		
		Current pulses on CH1:2 pulses		
		Current delay on CH1:10ms		
		Current factor on CH1:1.000000		
		Current sum on CH1:2.000000		
Shows all current values for S0 input 1. PulsesDec: The current amount of counted pulses as a decimal number DelayDec: The delay time for S0 input in Milliseconds for digital noise filtering as a decimal number FactorFlt: The factor to multiply the pulses for calculating a meaningful summation value as a floating point value				
SHOW VALUES	**ASCII READ COMMAND**	#SHOW VALUES<CR> #SVS<CR> Result: #SVS:<Pulses1Dec>,<Delay1Dec>,<Factor1Flt>,<Sum1Flt><CR>	ASCII	
	TX	#SHOW VALUES<CR>		
	RX	#255,SVS:2,10,1.000000,2.000000<CR>		
		Current pulses on CH1:2 pulses		
		Current delay on CH1:10ms		
		Current factor on CH1:1.000000		
		Current sum on CH1:2.000000		
Shows all current values for all S0 inputs. Pulses1Dec: The current amount of counted pulses as a decimal number Delay1Dec: The delay time for S0 input in Milliseconds for digital noise filtering as a decimal number Factor1Flt: The factor to multiply the pulses for calculating a meaningful summation value as a floating point value				
SET DELAY CH1	**ASCII WRITE COMMAND**	#SET DELAY CH1:<DELAY><CR> #SDLY1:<DELAY><CR> Result: #OK<CR>	ASCII	YES
	DELAY	30		

	TX	#SET DELAY CH1:30<CR>		
	RX	#255,OK<CR>		
Sets the delay time for the digital noise filter of the S0 input 1 DELAY: A time in ms for digital filtering. Every 0.1ms the module checks the status of the S0 input. If there is a rising edge it will count the amount of high (1) and low (0) signals every 0.1ms for the configured delay time. After this delay time the module checks if there were more high than low signals counted and that the duration of high signals is at least larger than 66% of the delay time duration. If this is true, the pulse counter is incremented by 1 and the INFO LED flashes for a short period.				
SET DELAYS	**ASCII WRITE COMMAND**	#SET DELAYS:<DELAY><CR> #SDLYS:<DELAY><CR> Result: #OK<CR>	ASCII	YES
	DELAY	30		
	TX	#SET DELAYS:30<CR>		
	RX	#255,OK<CR>		
Sets the delay time for the digital noise filter of the S0 input 1 DELAY: A time in ms for digital filtering. Every 0.1ms the module checks the status of the S0 input. If there is a rising edge it will count the amount of high (1) and low (0) signals every 0.1ms for the configured delay time. After this delay time the module checks if there were more high than low signals counted and that the duration of high signals is at least larger than 66% of the delay time duration. If this is true, the pulse counter is incremented by 1 and the INFO LED flashes for a short period.				
GET DELAY CH1	**ASCII READ COMMAND**	#GET DELAY CH1<CR> #GDLY1<CR> Result: #GDLY1:<DELAYDec>,<DELAYHex><CR>	ASCII	
	TX	#GET DELAY CH1<CR>		
	RX	#255,GDLY1:30,0x1E<CR>		
		Current delay for S0 channel 1:30ms		
Returns the delay time for the digital noise filter of the S0 input 1 DELAYDec,DELAYHex: A time in ms for digital filtering. Every 0.1ms the module checks the status of the S0 input. If there is a rising edge it will count the amount of high (1) and low (0) signals every 0.1ms for the configured delay time. After this delay time the module checks if there were more high than low signals counted and that the duration of high signals is at least larger than 66% of the delay time duration. If this is true, the pulse counter is incremented by 1 and the INFO LED flashes for a short period.				
GET DELAYS	**ASCII READ COMMAND**	#GET DELAYS<CR> #GDLYS<CR> Result: #GDLYS:<DELAYDec>,<DELAYHex><CR>	ASCII	
	TX	#GET DELAYS<CR>		
	RX	#255,GDLYS:30,0x1E<CR>		
		Current delay for S0 channel 1:30ms		
Returns the delay time for the digital noise filter of the S0 input 1 DELAYDec,DELAYHex: A time in ms for digital filtering. Every 0.1ms the module checks the status of the S0 input. If there is a rising edge it will count the amount of high (1) and low (0) signals every 0.1ms for the configured delay time. After this delay time the module checks if there were more high than low signals counted and that the duration of high signals is at least larger than 66% of the delay time duration. If this is true, the pulse counter is incremented by 1 and the INFO LED flashes for a short period.				
SET FACTOR CH1	**ASCII WRITE COMMAND**	#SET FACTOR CH1:<FACTOR><CR> #SFCT1:<FACTOR><CR> Result: #OK<CR>	ASCII	YES
	FACTOR	1,500		

	TX	#SET FACTOR CH1:1.5<CR>		
	RX	#255,OK<CR>		
Sets the multiplying factor to calculate a meaningful summation value out of the counted pulses for the S0 input 1 FACTOR: The new multiplying factor for the counted pulses as floating point value				
SET FACTORS	**ASCII WRITE COMMAND**	#SET FACTORS:<FACTOR><CR> #SFCTS:<FACTOR><CR> Result: #OK<CR>	ASCII	YES
	FACTOR	1,500		
	TX	#SET FACTORS:1.5<CR>		
	RX	#255,OK<CR>		
Sets the multiplying factors to calculate a meaningful summation value out of the counted pulses for the S0 input 1 FACTOR: The new multiplying factor for the counted pulses as floating point value				
GET FACTOR CH1	**ASCII READ COMMAND**	#GET FACTOR CH1<CR> #GFCT1<CR> Result: #GFCT1:<FACTORDec>,<FACTORHex><CR>	ASCII	
	TX	#GET FACTOR CH1<CR>		
	RX	#255,GFCT1:1.500000<CR>		
		Current factor for S0 channel 1:1.500000		
Returns the current configured multiplying factor to calculate a meaningful summation value out of the counted pulses for the S0 input 1 FACTORDec,FACTORHex: The current configured multiplying factor for the counted pulses as floating point value				
GET FACTORS	**ASCII READ COMMAND**	#GET FACTORS<CR> #GFCTS<CR> Result: #GFCTS:<FACTORDec>,<FACTORHex><CR>	ASCII	
	TX	#GET FACTORS<CR>		
	RX	#255,GFCTS:1.500000<CR>		
		Current factor for S0 channel 1:1.500000		
Returns the current configured multiplying factors to calculate a meaningful summation value out of the counted pulses for the S0 input 1 FACTORDec,FACTORHex: The current configured multiplying factor for the counted pulses as floating point value				