DI1	1x00001 2x00001 I:0	????			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	????			BIT R/O	
		Current state of DI2:0=OFF				
DI3	1x00003 2x00003 I:2	????			BIT R/O	
		Current state of DI3:0=OFF				
DI4	1x00004 2x00004 I:3	????			BIT R/O	
		Current state of DI4:0=OFF				
DI5	1x00005 2x00005 I:4	????			BIT R/O	
		Current state of DI5:0=OFF				
DI6	1x00006 2x00006 I:5	????			BIT R/O	
		Current state of DI6:0=OFF				
DI7	1x00007 2x00007 I:6	????			BIT R/O	
		Current state of DI7:0=OFF				
DI8	1x00008 2x00008 I:7	????			BIT R/O	
		Current state of DI8:0=OFF				
DI9	1x00009 2x00009 I:8	????			BIT R/O	
		Current state of DI9:0=OFF				
DI10	1x00010 2x00010 I:9	????			BIT R/O	
		Current state of DI10:0=OFF				
DI11	1x00011 2x00011 I:10	????			BIT R/O	

		Current state of DI11:0=OFF				
DI12	1x00012 2x00012 I:11	????			BIT R/O	
		Current state of DI12:0=OFF				
DI13	1x00013 2x00013 I:12	????			BIT R/O	
		Current state of DI13:0=OFF				
DI14	1x00014 2x00014 I:13	????			BIT R/O	
		Current state of DI14:0=OFF				
STATUS						
DIP SWITCH 1	1x00091 2x00091 I:90	????			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	1x00092 2x00092 I:91	????			BIT R/O	
		Current state of DIP SWITCH2:0=OFF				
DIP SWITCH 3	1x00093 2x00093 I:92	????			BIT R/O	
		Current state of DIP SWITCH3:0=OFF				
DIP SWITCH 4	1x00094 2x00094 I:93	????			BIT R/O	
		Current state of DIP SWITCH4:0=OFF				
DIP SWITCH 5	1x00095 2x00095 I:94	????			BIT R/O	
		Current state of DIP SWITCH5:0=OFF				
DIP SWITCH 6	1x00096 2x00096 I:95	????			BIT R/O	
		Current state of DIP SWITCH6:0=OFF				
DIP SWITCH 7	1x00097 2x00097 I:96	????			BIT R/O	
		Current state of DIP SWITCH7:0=OFF				

DIP SWITCH 8	1x00098 2x00098 I:97	????			BIT R/O	
		Current state of DIP SWITCH8:0=OFF				
DIGITAL INPUTS: RESET						
RESET COUNTERS	1x10000 2x10000 I:9999	????		1:PERFORM RESET	BIT 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.						
DIGITAL INPUTS						
RISING EDGES DI1	3x00001 4x00001 I:0	????			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 DI1	3x00002 4x00002 I:1	????			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	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI2	3x00004 4x00004 I:3	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI3	3x00005 4x00005 I:4	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI3	3x00006 4x00006 I:5	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI4	3x00007 4x00007 I:6	????			UINT16 R/O	
		0 event(s)				

FALLING EDGES DI4	3x00008 4x00008 I:7	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI5	3x00009 4x00009 I:8	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI5	3x00010 4x00010 I:9	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI6	3x00011 4x00011 I:10	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI6	3x00012 4x00012 I:11	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI7	3x00013 4x00013 I:12	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI7	3x00014 4x00014 I:13	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI8	3x00015 4x00015 I:14	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI8	3x00016 4x00016 I:15	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI9	3x00017 4x00017 I:16	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI9	3x00018 4x00018 I:17	????			UINT16 R/O	
		0 event(s)				

RISING EDGES DI10	3x00019 4x00019 I:18	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI10	3x00020 4x00020 I:19	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI11	3x00021 4x00021 I:20	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI11	3x00022 4x00022 I:21	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI12	3x00023 4x00023 I:22	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI12	3x00024 4x00024 I:23	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI13	3x00025 4x00025 I:24	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI13	3x00026 4x00026 I:25	????			UINT16 R/O	
		0 event(s)				
RISING EDGES DI14	3x00027 4x00027 I:26	????			UINT16 R/O	
		0 event(s)				
FALLING EDGES DI14	3x00028 4x00028 I:27	????			UINT16 R/O	
		0 event(s)				
STATUS						
FILTER PATTERN DI1	3x00029 4x00029 I:28	????			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	3x00031 4x00031 I:30	????			UINT32 R/O	
FILTER PATTERN DI3	3x00033 4x00033 I:32	????			UINT32 R/O	
FILTER PATTERN DI4	3x00035 4x00035 I:34	????			UINT32 R/O	
FILTER PATTERN DI5	3x00037 4x00037 I:36	????			UINT32 R/O	
FILTER PATTERN DI6	3x00039 4x00039 I:38	????			UINT32 R/O	
FILTER PATTERN DI7	3x00041 4x00041 I:40	????			UINT32 R/O	
FILTER PATTERN DI8	3x00043 4x00043 I:42	????			UINT32 R/O	
FILTER PATTERN DI9	3x00045 4x00045 I:44	????			UINT32 R/O	
FILTER PATTERN DI10	3x00047 4x00047 I:46	????			UINT32 R/O	
FILTER PATTERN DI11	3x00049 4x00049 I:48	????			UINT32 R/O	
FILTER PATTERN DI12	3x00051 4x00051 I:50	????			UINT32 R/O	
FILTER PATTERN DI13	3x00053 4x00053 I:52	????			UINT32 R/O	
FILTER PATTERN DI14	3x00055 4x00055 I:54	????			UINT32 R/O	
GENERAL STATUS OF DIS						
RESET COUNTERS	3x10000 4x10000 I:9999	????		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	????			UINT16 R/O	
		0 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	3x10002 4x10002 I:10001	????			UINT16 R/O	
		Current state of DI1:0=OFF				
		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				
		Current state of DI13:0=OFF				
		Current state of DI14:0=OFF				
Current state of all digital inputs 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: Always 0 Bit 15: Always 0						
STATUS OF DIP SWITCH	3x10010 4x10010 I:10009	????			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	????			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	????			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.						
CHANGE DI1	3x20003 4x20003 I:20002	????			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	????			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	????			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	????			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	????			UINT16 R/O	
		0 event(s)				
FALL DI2	3x20012 4x20012 I:20011	????			UINT16 R/O	
		0 event(s)				
CHANGE DI2	3x20013 4x20013 I:20012	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI2	3x20014 4x20014 I:20013	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI2	3x20015 4x20015 I:20014	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI2	3x20016 4x20016 I:20015	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI3						

RISE DI3	3x20021 4x20021 I:20020	????			UINT16 R/O	
		0 event(s)				
FALL DI3	3x20022 4x20022 I:20021	????			UINT16 R/O	
		0 event(s)				
CHANGE DI3	3x20023 4x20023 I:20022	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI3	3x20024 4x20024 I:20023	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI3	3x20025 4x20025 I:20024	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI3	3x20026 4x20026 I:20025	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI4						
RISE DI4	3x20031 4x20031 I:20030	????			UINT16 R/O	
		0 event(s)				
FALL DI4	3x20032 4x20032 I:20031	????			UINT16 R/O	
		0 event(s)				
CHANGE DI4	3x20033 4x20033 I:20032	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI4	3x20034 4x20034 I:20033	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI4	3x20035 4x20035 I:20034	????			UINT16 R/O	
		0 event(s)				

LONG KEYPRESS END DI4	3x20036 4x20036 I:20035	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI5						
RISE DI5	3x20041 4x20041 I:20040	????			UINT16 R/O	
		0 event(s)				
FALL DI5	3x20042 4x20042 I:20041	????			UINT16 R/O	
		0 event(s)				
CHANGE DI5	3x20043 4x20043 I:20042	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI5	3x20044 4x20044 I:20043	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI5	3x20045 4x20045 I:20044	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI5	3x20046 4x20046 I:20045	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI6						
RISE DI6	3x20051 4x20051 I:20050	????			UINT16 R/O	
		0 event(s)				
FALL DI6	3x20052 4x20052 I:20051	????			UINT16 R/O	
		0 event(s)				
CHANGE DI6	3x20053 4x20053 I:20052	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI6	3x20054 4x20054 I:20053	????			UINT16 R/O	

		0 event(s)				
LONG KEYPRESS START DI6	3x20055 4x20055 I:20054	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI6	3x20056 4x20056 I:20055	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI7						
RISE DI7	3x20061 4x20061 I:20060	????			UINT16 R/O	
		0 event(s)				
FALL DI7	3x20062 4x20062 I:20061	????			UINT16 R/O	
		0 event(s)				
CHANGE DI7	3x20063 4x20063 I:20062	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI7	3x20064 4x20064 I:20063	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI7	3x20065 4x20065 I:20064	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI7	3x20066 4x20066 I:20065	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI8						
RISE DI8	3x20071 4x20071 I:20070	????			UINT16 R/O	
		0 event(s)				
FALL DI8	3x20072 4x20072 I:20071	????			UINT16 R/O	
		0 event(s)				

CHANGE DI8	3x20073 4x20073 I:20072	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI8	3x20074 4x20074 I:20073	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI8	3x20075 4x20075 I:20074	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI8	3x20076 4x20076 I:20075	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI9						
RISE DI9	3x20081 4x20081 I:20080	????			UINT16 R/O	
		0 event(s)				
FALL DI9	3x20082 4x20082 I:20081	????			UINT16 R/O	
		0 event(s)				
CHANGE DI9	3x20083 4x20083 I:20082	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI9	3x20084 4x20084 I:20083	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI9	3x20085 4x20085 I:20084	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI9	3x20086 4x20086 I:20085	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI10						
RISE DI10	3x20091 4x20091 I:20090	????			UINT16 R/O	

		0 event(s)				
FALL DI10	3x20092 4x20092 I:20091	????			UINT16 R/O	
		0 event(s)				
CHANGE DI10	3x20093 4x20093 I:20092	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI10	3x20094 4x20094 I:20093	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI10	3x20095 4x20095 I:20094	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI10	3x20096 4x20096 I:20095	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI11						
RISE DI11	3x20101 4x20101 I:20100	????			UINT16 R/O	
		0 event(s)				
FALL DI11	3x20102 4x20102 I:20101	????			UINT16 R/O	
		0 event(s)				
CHANGE DI11	3x20103 4x20103 I:20102	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI11	3x20104 4x20104 I:20103	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI11	3x20105 4x20105 I:20104	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI11	3x20106 4x20106 I:20105	????			UINT16 R/O	

		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI12						
RISE DI12	3x20111 4x20111 I:20110	????			UINT16 R/O	
		0 event(s)				
FALL DI12	3x20112 4x20112 I:20111	????			UINT16 R/O	
		0 event(s)				
CHANGE DI12	3x20113 4x20113 I:20112	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI12	3x20114 4x20114 I:20113	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI12	3x20115 4x20115 I:20114	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI12	3x20116 4x20116 I:20115	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI13						
RISE DI13	3x20121 4x20121 I:20120	????			UINT16 R/O	
		0 event(s)				
FALL DI13	3x20122 4x20122 I:20121	????			UINT16 R/O	
		0 event(s)				
CHANGE DI13	3x20123 4x20123 I:20122	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI13	3x20124 4x20124 I:20123	????			UINT16 R/O	
		0 event(s)				

LONG KEYPRESS START DI13	3x20125 4x20125 I:20124	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI13	3x20126 4x20126 I:20125	????			UINT16 R/O	
		0 event(s)				
DIGITAL INPUTS: STATUS FOR DIGITAL INPUT DI14						
RISE DI14	3x20131 4x20131 I:20130	????			UINT16 R/O	
		0 event(s)				
FALL DI14	3x20132 4x20132 I:20131	????			UINT16 R/O	
		0 event(s)				
CHANGE DI14	3x20133 4x20133 I:20132	????			UINT16 R/O	
		0 event(s)				
SHORT KEYPRESS DI14	3x20134 4x20134 I:20133	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS START DI14	3x20135 4x20135 I:20134	????			UINT16 R/O	
		0 event(s)				
LONG KEYPRESS END DI14	3x20136 4x20136 I:20135	????			UINT16 R/O	
		0 event(s)				

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		
Returns the current state of all 14 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 2: State of DI3 (=0:OFF, =1:ON) Bit 3: State of DI4 (=0:OFF, =1:ON) Bit 4: State of DI5 (=0:OFF, =1:ON) Bit 5: State of DI6 (=0:OFF, =1:ON) Bit 6: State of DI7 (=0:OFF, =1:ON) Bit 7: State of DI8 (=0:OFF, =1:ON) Bit 8: State of DI9 (=0:OFF, =1:ON) Bit 9: State of DI10 (=0:OFF, =1:ON) Bit 10: State of DI11 (=0:OFF, =1:ON) Bit 11: State of DI12 (=0:OFF, =1:ON) Bit 12: State of DI13 (=0:OFF, =1:ON) Bit 13: State of DI14 (=0:OFF, =1:ON) Bit 14: Always 0 Bit 15: Always 0				
GET DIGITAL INPUT DIx	ASCII READ COMMAND	#GDI<DINR><CR> Result: #GDI<DINR>:<DIxDec>,<DIxHex><CR>	ASCII	
	DINR	7		
	TX	#GDI7<CR>		
	RX	#255,GDI7:0,0x0<CR>		
		Current status of digital input DI7:0=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:3,0x3<CR>		
		Current change counter:3		
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>,...,<ChangeDI14Dec>,<ChangeDI1Hex>,...,<ChangeDI14Hex><CR>	ASCII	
	TX	#CADIS<CR>		
	RX	#255,CADIS:0,0,0,0,0,1,2,0,0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x1,0x2,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for changes on DI1:0		
		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 DI6:1		
		Current counter for changes on DI7:2		
		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		
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	1		
	TX	#CDI1<CR>		
	RX	#255,CDI1:0,0x0<CR>		
		Current counter for changes on digital input DI1:0		
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>,...,<ShortKeyDI14Dec>, <ShortKeyDI1Hex>,...,<ShortKeyDI14Hex><CR>	ASCII	
	TX	#SKADIS<CR>		
	RX	#255,SKADIS:0,0,0,0,0,1,0,0,0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<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 DI6:1		
		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		
		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		
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	1		
	TX	#SKDI1<CR>		
	RX	#255,SKDI1:0,0x0<CR>		
		Current counter for short keypress events on digital input DI1:0		
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>,...,<LongKeyStartDI14Dec>, <LongKeyStartDI1Hex>,...,<LongKeyStartDI14Hex><CR>	ASCII	
	TX	#LKSADIS<CR>		
	RX	#255,LKSADIS:0,0,0,0,0,0,1,0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for long keypress start events on DI1:0		
		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 DI7:1		
		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		
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	1		
	TX	#LKSDI1<CR>		
	RX	#255,LKSDI1:0,0x0<CR>		
		Current counter for long keypress start events on digital input DI1:0		
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>,...,<LongKeyEndDI14Dec>, <LongKeyEndDI1Hex>,...,<LongKeyEndDI14Hex><CR>	ASCII	
	TX	#LKEADIS<CR>		
	RX	#255,LKEADIS:0,0,0,0,0,0,1,0,0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for long keypress end events on DI1:0		
		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 DI7:1		
		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		
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	1		
	TX	#LKEDI1<CR>		
	RX	#255,LKEDI1:0,0x0<CR>		
		Current counter for long keypress end events on digital input DI1:0		
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>,...,<RiseDI14Dec>,<RiseDI1Hex>,...,<RiseDI14Hex><CR>	ASCII	
	TX	#RADIS<CR>		
	RX	#255,RADIS:0,0,0,0,0,1,1,0,0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0,0x1,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for rising edges on DI1:0		

		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 DI6:1		
		Current counter for rising edges on DI7:1		
		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		
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	1		
	TX	#RDI1<CR>		
	RX	#255,RDI1:0,0x0<CR>		
		Current counter for rising edges on digital input DI1:0		
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>,...,<FallDI14Dec>,<FallDI1Hex>,...,<FallDI14Hex><CR>	ASCII	
	TX	#FADIS<CR>		
	RX	#255,FADIS:0,0,0,0,0,1,1,0,0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0,1,0x1,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for falling edges on DI1:0		
		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 DI6:1		
		Current counter for falling edges on DI7:1		
		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		
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	1		
	TX	#FDI1<CR>		
	RX	#255,FDI1:0,0x0<CR>		
		Current counter for falling edges on digital input DI1:0		
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.				

