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### Communication Protocol Definitions: SMT-IAQ3

Number	Specification	Protocol Definition
1	Media	RS485
2	Baud Rate	9600-115200BPS
3	Byte format	1 start bit +8 data bit +1 stop bit
5	Address	1-127
6	Data format	Modbus



03/06	40101	PIN	0-9999 (Default:21)
03/06	40102	Display Temp	0: Off 1:C(Default) 2:F
03/06	40103	Display RH	0:Off 1:On(Default)
03/06	40104	Display CO2	0: Off 1:ppm(Default) 2:%
03/06	40105	Calibrate temp	Temperature*10, +-5 (Default:0)
03/06	40106	Calibrate RH	+ -25% (Default:0)
03/06	40107	Calibrate CO2	+ -100ppm (Default:0)
03/06	40108	Temperature Alarm Relay	-20 - 120 -21:Off(Default)
03/06	40109	RH Alarm Relay	0 - 100 -1:Off(Default)
03/06	40110	CO2 Alarm Relay	400 - 2000ppm 0:Off(Default)
03/06	40111	Alarm Relay Logic	0 Normally de-energised(Default) 1 Normally energised
03/06	40112	Beeper	0:Off 1:Button(Default) 2:Alarm 3:Button&Alarm
03/06	40113	Beeper Mute	0:Off (Default) 1:Toggle 2:1Hour mute 3:3Hours mute 4:12Hours
03/06	40114	Show Force Fresh Air	0:Off(Default) 1:Show 2:Reset after 1 hour 3:Reset after 4 hour
03/06	40115	T1 T2 Input Function	0:Override(Default) 1:Average 2:FFA 3:Mute 5:Report 6:Outside 7:Pause
03/06	40116	Active Ventilation Outside Air Temperature	5 -100 0:Off(Default)
03/06	40117	Active Ventilation Inside Air Temperature	5 -100 0:Off(Default)
03/06	40118	Active Ventilation Output	0:Off(Default) 1:Relay 2:Temp 0-10Vdc 3:Relay&Temp 0-10Vdc
03/06	40119	Temp Min Value	-20-150 (Default:5)
03/06	40120	Temp Max Value	-20-150 (Default:35)
03/06	40121	Temp Low Voltage	Voltage*10 0-10Vdc (Default:0Vdc)
03/06	40122	Temp Max Voltage	Voltage*10 0-10Vdc (Default:10Vdc)
03/06	40123	Temp Safety Voltage	Voltage*10 0-10Vdc (Default:0Vdc)
03/06	40124	RH Min Value	0-100% (Default:0)
03/06	40125	RH Max Value	0-100% (Default:100)
03/06	40126	RH Low Voltage	Voltage*10 0-10Vdc (Default:0Vdc)
03/06	40127	RH Max Voltage	Voltage*10 0-10Vdc (Default:10Vdc)
03/06	40128	RH Safety Voltage	Voltage*10 0-10Vdc (Default:0Vdc)
03/06	40129	CO2 Min Value	0-2000ppm (Default:0)
03/06	40130	CO2 Max Value	0-2000ppm (Default:2000ppm)
03/06	40131	CO2 Low Voltage	Voltage*10 0-10Vdc (Default:0Vdc)
03/06	40132	CO2 Max Voltage	Voltage*10 0-10Vdc (Default:10Vdc)

03/06	40133	CO2 Safety Voltage	Voltage*10 0-10Vdc (Default:0Vdc)
03/06	40134	Back light	0:Off 1:Alarm (Default) 2:Button
03/06	40135	Amber Temp Backlight Threshold	0-100 -1:0ff(Default)
03/06	40136	Red Temp Backlight Threshold	0-100 -1:0ff(Default)
03/06	40137	Amber RH Backlight Threshold	0-100 -1:0ff(Default)
03/06	40138	Red RH Backlight Threshold	0-100 -1:0ff(Default)
03/06	40139	Amber CO2 Backlight Threshold	0-2000ppm (Default:650ppm) -1:0ff
03/06	40140	Red CO2 Backlight Threshold	0-2000ppm (Default:850ppm) -1:0ff
03/06	40141	Communication Protocol	0:Modbus(Default) 1:Bacnet
03/06	40142	Communications Speed	0:9600bps(Default) 1:19200bps 2:38400bps 3: 57600bps 4:76800bps 5:115200bps
03/06	40143	Communications Parity	0:None(Default) 1:Odd 2:Even
03/06	40144	Communications Address	1-127 (Default:7)