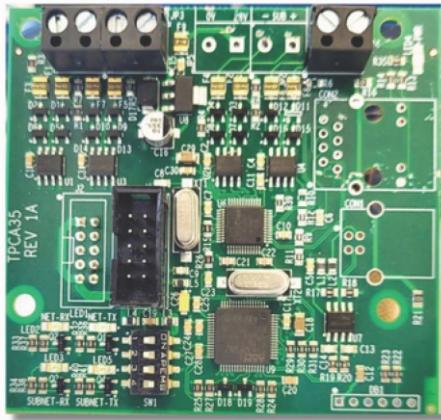




TECHNICAL DATA SHEET



MODBUS BMS COMMUNICATIONS CARD

FAP-Modbus BMS COMMUNICATIONS CARD

Agni Veiga intelligent Addressable fire alarm Modbus card (or gateway/interface) is a hardware module that translates a fire alarm control panel's proprietary signals into the standard Modbus protocol (RTU/TCP), allowing integration with Building Management Systems (BMS), SCADA, or PLCs for monitoring and control, converting device statuses (Normal, Fire, Fault) into data points that external systems can read over RS-485 or Ethernet.

Connection: The card plugs into the Fire Alarm Control Panel (FACP) and connects via twisted-pair cable (RS-485) or Ethernet. **Data Extraction:** It reads status information from the panel's devices (detectors, modules, outputs). **Conversion:** Converts this data into Modbus messages.

Product Overview & Function

Agni veiga Protocol Translation: Converts fire panel's native communication to standard Modbus (RTU over RS-485 or TCP/IP). **System Integration:** Acts as a bridge to larger systems (BMS, SCADA) for centralized monitoring. **Data Mapping:** Maps fire panel info (detector status, zone status, output states) to Modbus registers. **Status Reporting:** Provides real-time data like Fire, Fault, Normal, Disable states for devices and zones. **Physical Interface:** Connects to the panel's peripheral bus (RS-485) and offers communication ports (RS-232, Ethernet) for external systems.

Response Indicator Concealed

TECHNICAL SPECIFICATIONS

System Status Register (2bytes)

Alarm (1st bit)
Fault (2ndbit)

Disablements (3rdbit)

Test Mode (4thbit)

Evacuation (5thbit)

Panels Status Registers

Alarm (1st bit)

Fault (2ndbit)

Disablements (3rdbit)

Test Mode (4thbit)

Evacuation (5thbit)

Alarm Silenced (6thbit) 1

Buzzer Muted (7thbit)

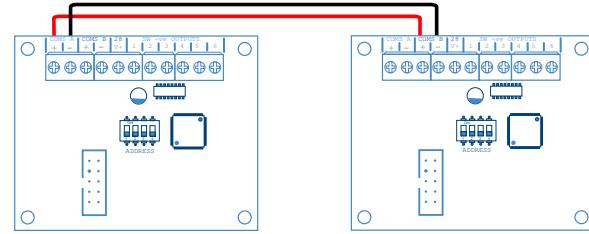
Class Change Active (8thbit)

Alert Active (9thbit)

Zone Status Registers (64x40 zones)

Alarm (1bit per zone)

Supply Through	Main Panel Mother Board
Standby Current	5.2mA
Cable Size	1.5-SQ-MM
Comms A - B	485- fused @ 20mA
Operating Temperature	-10°C / +70°C
Weight (standard base included)	45 g
IP rating	40 (42 overall waterproof protection)



CE
EN 54-5-7
IS 2189
ERTL / NABL