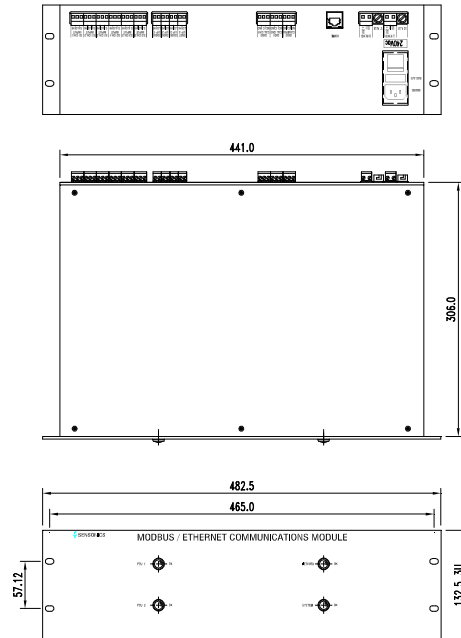


SENTRY SYSTEM



MO8701ME MODBUS/ETHERNET COMMUNICATIONS MODULE



- Remote access to 36 Parameter Channels
- 12 Analogue and 24 Digital
- Modbus over Ethernet Interface
- Intelligent onboard configuration
- Dual Redundant Power Option
- Relay, 4-20mA, 0-10V and digital inputs
- Repeaters for all analogue & relay inputs
- Detachable connectors for easy channel isolation

The MO8701ME is designed to provide data transmission for up to 36 parameters from a 6 position Sentry rack system. The unit accepts analogue and relay outputs from up to 12 Sentry measurement channels and provides access to the analogue levels and alarm status through a Modbus over Ethernet interface. The MO8701ME also regenerates the current loop and relay channels to permit local alarming and interfacing to traditional analogue systems.

The communications system utilises a Fieldbus independent node design. The fieldbus coupler contains PLC functionality (controller) to enable setup in distributed control networks in compliance with IEC 61131-3. The unit readily interfaces to SCADA systems utilising an OPC database and can be supplied to offer other communication standards such as Profibus, DeviceNet etc.

M08701ME

SENTRY MODBUS/ETHERNET COMMUNICATIONS MODULE

TECHNICAL SPECIFICATION

<u>Power</u>	24Vdc or Mains (110-240Vac). Dual redundant option for 24V. Power Consumption <50W.
<u>Analogue Inputs</u>	12 channels of 4-20mA or 0-10V. Input mode is factory set. 2-wire, <220 Ohm / 20mA. 12-bit resolution. Accuracy, +/- 0.2% of fullscale. Conversion time, 4ms typ.
<u>Digital Inputs</u>	24 channels of relay contacts or TTL. Input mode is factory set. Signal Voltage Low, DC -3V to +5V Signal Voltage High, DC +15V to +30V 2-bit resolution. Input filter, 3ms typ.
<u>Analogue Outputs</u>	12 channels of 4-20mA or 0-10V. Output mode is factory set. 12-bit resolution. Accuracy, +/- 0.1% of fullscale. Conversion time, 2ms typ.
<u>Relay Outputs</u>	24 SPDT, NO/NC. 125Vac, 0.5A. Aligned to relay inputs only.
<u>Digital Interface</u>	MODBUS / TCP (UDP) Protocol. Baud Rate 10/100/Mbit/s. IEC61131-3. Physical Connection RJ45.
<u>EMC</u>	EN50082-2 Immunity EN50081-2 Emissions
<u>Mechanical</u>	19" rack mount, 3U interface unit.
<u>Operating Temp</u>	0°C to +55°C.
<u>Storage Temp</u>	-25°C to +85°C.

DS1201



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