

Monitoring Solutions

RAMS-PoE-485-ALM

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Product Details

The RAMS-PoE-485-ALM device is single port Power Over Ethernet (POE) and WiFi to RS485 serial device and includes 2 Opto Isolated Negative trigger inputs and 2 Open collector outputs (via pluggable connector).

The unit can be powered from the POE port, 220Vac or 12Vdc. The unit will monitor the status of the inputs and will send a trigger via WiFi or PoE to the online GERM Software Management system or to a Telegram Bot for smaller or single use case scenarios.

The unit is set-up using an internet browser via Wi for POE connecton

Features

- 10/100 Mbps POE Ethernet port
- Browser based configuration utility
- Telnet, TCP Modbus protocols
- Serial interface : RS485
- Configurable baud rate, parity, data bits, stop bits, IP address
- Redundant power inputs: PoE (IEEE 802.3af, Class 1) and DC jack (44-57VDC)
- 220VAC Fused AC input (via pluggable connector)
- 12VDC Input (via pluggable connector)
- PoE power via ethernet PoE (RJ45 Ethernet connector)
- Ethernet connecton
- WIFI Module (ESP-WROOM-32D)
- External WIFI Antenna via a SMA connector
- RS485 (via pluggable connector)
- 2 Opto Isolated Negative trigger inputs (via pluggable connector)
- 2 Open collector outputs (via pluggable connector)
- Onboard Vibration sensor
- User buton accessible from the outside
- LED Indicator viewable from outside

Specifications

| | |
|-------------------------|---|
| PoE | PoE standard IEEE802.3af |
| External supply | 12Vdc from an external supply |
| External Supply | 220vAC from an external supply |
| Current consumption | 130mA@48V via external supply |
| Max PoE consumption | 15W |
| Number of PoE ports | 1 |
| Communication interface | 2 wire RS485 (A, B) |
| Serial protocol | MODBUS RTU |
| Ethernet | 10/100 Base-TX, 8-pin RJ-45X1, (Auto-negotiating, LED indicators) PoE (IEEE 802.3af, Class 1) |
| Ethernet protocol | Telnet, TCP Modbus |
| WiFi | WIFI Module (ESP-WROOM-32D) |
| Utility software | Browser based configuration utility |
| 2 Inputs | Opto Isolated Negative trigger inputs |
| 2 Outputs | Open collector outputs |
| Dimensions | (L)85(W)56(H)32mm |
| Operating Temperature | 0°C-65°C(32°F-104°F) |
| Operating Humidity: | 10%-90%RH, Non-condensing |

