



Power Meter Monitor

**Business and Mission-
Critical Solutions Provider**

F.O (1x9) to RS485 BusLink

Data Sheet



Model: PMM0612

Document: Data Sheet

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DECLARATION OF CONFORMITY

This restriction is subject to protect the operational process of the system in the business environment, which will produce, use, and transmit radiofrequency energy. Harmful interference to radio communication could result if instructions to the correct installation and usage were not applied. The interference prevention cannot be guaranteed even with proper installation according to the manual. If the device causes a bad effect on the radio / TV signal. The user could preclude that by turning the device on/off.

When this device produces some harmful interference, the user can use the following measure to solve the interference problem:

1-Setting the receiving antenna's direction or location to increase the distance between this device and receiver.

2-Plug in the device's power connector into different circuits of the power outlet with the receiver.

3-If any technical support is needed, the dealer or experienced radio/TV technical personnel must be informed.

TECHNICAL SUPPORT AND SERVICE

Visit Pmm-usa.us to browse FAQs and get further details.

User should collect the following information before submitting technical support and service requests:

- Product name, model and serial number.
- Installed software (operating system, OS version, installed applications and so on).
- Full description of the problem
- Detailed information about every error.

SAFETY INSTRUCTIONS

- Only trained and qualified personnel can install, operate, or maintain the device.
- Before starting the installation, all safety precautions must be read, and warning labels affixed to the device must be observed. Doing so protects the device from damage and ensures your safety.
- Safety precautions provided in this document may not cover all safety aspects, note to always remain mindful of safety.
- PMM is not liable for any consequence that results from violation of regulations pertaining to safe operations or safety codes pertaining to design, production, and equipment usage.
- DO NOT use liquids or decontamination spray to clean the device surface and assure that it is totally disconnected while cleaning.
- Take all measures to prevent device drop before or during installation.
- Prior to connecting the device to power source, ensure the source and device voltage and power are 100% matched.
- Keep the cables in a suitable covered place.
- If the device is not used for a long time, shut off the power to avoid the damages by transient overvoltage.
- DO NOT allow any liquid flow into the device; to avoid fire or short circuit.
- The recommended storage temperature range should NOT be less than 30°C OR higher than 85°C.



Warning:

- Read the power source and device inlet carefully.
- Handle device with both hands.
- Clean and maintain the device using recommended, safe and suitable methods.



Caution:

If any unauthorized changes of settings or repairs are done without PMM approval; then user's rights of controlling this device will be canceled.



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KEY FEATURES

- 3x Ethernet 10/100 ports, 1x RS485 port and 1x Fiber optic port
- RS485 Transmission speed up to 256 kbps
- ESD Protection for the RS485 Data Line
- Supports SD card up to 32GB
- Media and protocol converter
- Optional Isolated power supply
- Simple to set up and cost effective
- Open platform which can be programmed with common tools as needed
- Meets all power substation requirements
- Highly compacted size
- Standard 35mm Din Rail and can work stand alone setup or with our rack type PLC

DESCRIPTION

PMM0612 is an open platform ethernet switch with 3 Ethernet ports, one fiber optic port , one RS485 port and SD card up to 32GB ,a basic function as a media and protocol converter.

It is equipped with all protections needed to be the perfect solution for applications where transmission must be protected from electrical exposure, surges, lightning, or chemical corrosion.

Furthermore, PMM0612 is an Open platform which can be programmed with common tools like Arduino IDE ,PlatformIO and OpenPLC..etc which make it very easy to fit any needed applications.

PMM0612 is an industrial grade multi converter that can function under harsh environmental conditions of any site. It is especially designed to meet all power substations , PV plants requirements and more where it covers all field standards of power, reliability, easy configuration, and long-lasting life.

TECHNICAL SPECIFICATIONS

Electrical Data

Signal type	Voltage
Voltage signal type	24VDC
Input characteristic	High-Side switching
Input current per channel	5mA
Isolation	5000V system/field

Interfaces

Serial	1x RS485 port
Ethernet	3x 10/100 RJ45
Fiber	1x fiber optic port

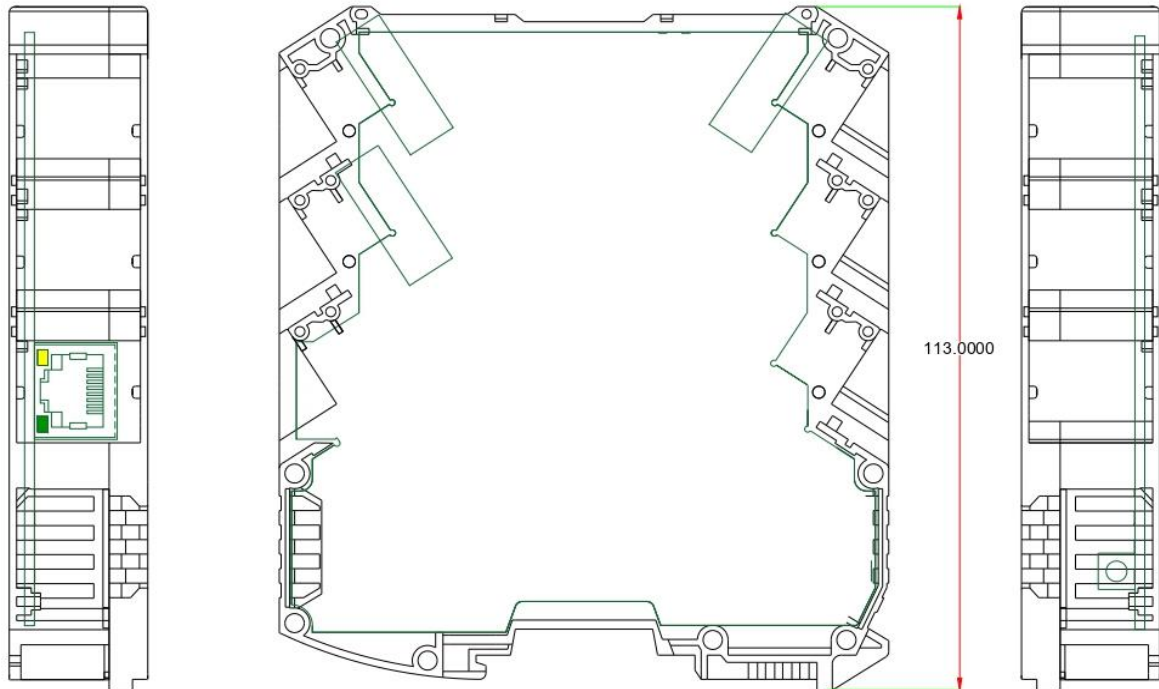
Power Parameters

Input Power Supply Options	9-56 VDC
Power Connector	Phoenix Contact 4 pins 3.5mm

Physical Characteristics

Housing	Plastic
Dimensions	Dimensions 4.05 x 4.05 x 0.88 inch (103 x 103 x 22.5 mm)
Mounting Options	DIN Rail

ENCLOSURE DIMENSIONS



CONTACT INFORMATION

For direct inquiries or any customized orders, contact us on sales@Pmm-usa.us