# **Progense Digital Panel Meter DPM1 Series**

Instructions

**VAUTOMATION DIRECT** 

3505 HUTCHINSON ROAD CUMMING. GA 30040-5860

# CE

# **Models:**

DPM1-T-H DPM1-T-L

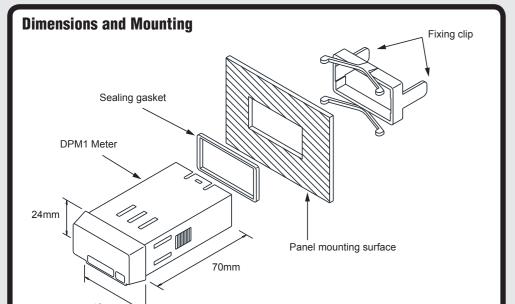




#### **Features**

- 48 x 24mm 1/32 DIN
- 4 digit red LED display
- Temperature. °F or °C
- RTD: Pt100, Resolution: 1°, 0.1°

- TC: J. K. T. N. Resolution: 1°
- · AC or DC powered
- Total configuration lock out



To install the instrument, prepare a 45mm x 22mm panel cut-out and slide the unit inwards making sure to place the sealing gasket between the front side panel and the front bezel.

While holding the unit in place, put the fixing clip around case and slide it until it reaches the panel at the rear side.

Press slightly to fasten the clip to the latching slots on the case and get the unit fully assembled and close fitted to achieve a good seal.

To remove the instrument from the panel, pull the rear fixing clip latching tabs outwards until they are disengaged, then slide the fixing clip back over the case.

Installation						
Dimensions	48 x 24 x 70mm (1/32 DIN)					
Panel Cutout	45 x 22mm (Max. panel thickness 7mm)					
Case Material	Polycarbonate UL 94 V-0					

# Additional Help and Support

• For additional technical support and questions, call our Technical Support team @ 1-800-633-0405 or 770-844-4200



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Instructions: DPM1-T-H, DPM1-T-L



WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

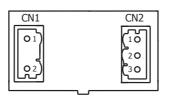
If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call us at 1-800-633-0405 or 770-844-4200.

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#### WARNING! Electric shock danger

- 1. Keep away from high-voltage and high-frequency environment during the installation to prevent interference Avoid using the device in environments which contain: (a) dust or corrosive gas; (b) high humidity or high radiation; (c) shock or vibration
- 2. Make sure the input power is switched off when installing or uninstalling the DPM1 to prevent harm to personnel or equipment.
- 3. Before switching on the input power, check the signal connection, e.g. the input voltage and polarity. Voltage that is too high may cause damage to the DPM1.
- 4. Front cover should be cleaned only with a soft cloth soaked in neutral soap product. DO NOT USE SOLVENTS.

# **Wiring Terminals**



CN1				CN2		
I	AC Supply DC Supply		1	-TC / Common Pt100		
1	Neutral	1	-VDC	2	+TC / Common Pt100	
2	Line	2	+VDC	3	Pt100	

Terminals							
Connector	CN1	CN2					
Wire cross section	0.08 to 2.5mm <sup>2</sup> (28 to 12 AWG)	0.08 to 2.5mm² (28 to 12 AWG)					
Strip length	8 to 9mm	8 to 9mm					
Manufacturer	Wago 231-202/026-000	Wago 231-303/026-000					
Cage clamp connection	Insertion tool or screwdriver with 0.5 mm x 3.0 mm blade	Insertion tool or screwdriver with 0.5 mm x 3.0 mm blade					

### **CN1 and CN2 Terminals**



Insertion Tool (included with meter)

Insert wires into the proper terminal while using the insertion tool to open the clip inside the connector. Release the insertion tool to fix wire to the terminal

This instrument conforms with the following community directives: EMC 2004/108/CE and LVD 2006/95/CE. Refer to the instructions in this insert to preserve safety protections

**Warning:** If this instrument is not installed and used in accordance with these instructions, the protection provided by it against hazards may be impared. To meet the requirements of EN 610101-1 standard, where the unit is permanently connected to main supply, it is obligatory to install a circuit breaking device that is easily reachable by the operator and clearly marked as the disconnecting device.

To guarantee electromagnetic compatibility, the following guidelines should followed:

- Power supply wires should be separately routed from signal wires and never ran in the same conduit.
- Use shielded cable for signal wiring.
- Cable cross-section must be ≥0.25mm<sup>2</sup>

Before connecting signal wires, signal type and input range should be verified to be within the proper limits. Do not connect more than one input signal to the meter simultaneously.

#### Video Link

Scan or click the QR code for a series of Configuration and Programming videos for the ProSense DMP Series Panel Meters



### Configuration Programming Kevs (Bottom View) ENTER: Enters configuration and alidates data and parameters SHIFT: Selects mode or shifts blinking digit $\ensuremath{\bigcap}$ UP: Increases value of blinking digit in Run mode Pro: Programming mode displays if configuration menus are unlocked (LC=0) dALA Pro dAtA: Data mode displays if configuration menus are locked (LC=1). Parameter values can be viewed but not changed. 1°: Indication with 1° resolution. o: Indication with 0.1o resolution (only available for Pt100). °C: Indication in degree Celcius. °F: Indication in degree Farenheit (See technical specifications for fixed display ranges). oFFS: Offset provides compensation for a known difference between the temperature measured by the sensor and actual Enter offset value, ±99 for resolution of 1° or ±9.9 for resolution of 0.1° LC 0: Configuration unlocked. LC 1: Configuration totally locked (Parameter values can be viewed but not changed). 5E or

