Series PMA

Panel Meter Accessories

For PPM, APM, MPM, and LTI Series Panel Meters

PMA-01 RS-232 Serial Adapter



SPECIFICATIONS
Compatibility: EIA-232.
Connectors: PC compatible 9-pin D subminiature connector (DB9) and RJ11 (adapter to meter).
Cable: 3 ft (0.9 m) standard CAT5e cable provided with adapter.
Distance: Adapter to panel meter: 6 ft (1.8 m) max; Adapter to computer: 50 ft (15 m) max; Serial interface cable not provided.
Power: Powered by panel meter M-LINK connection.
Status Indication: Separate LEDs for power (P), transmit (TX), and receive (RX).

PMA-01

PMA-02 Meter Copy Cable



SPECIFICATIONS
Cable: 3 ft (0.9 m) standard modular cable.

PMA-02

PMA-03 RS-422/485 Serial Adapter



SPECIFICATIONS
Compatibility: EIA-422 and EIA-485.
Connectors: Removable screw terminal connector and RJ11 (adapter to meter).
Cable: 3 ft (0.9 m) standard CAT5e cable provided with adapter.
Distance: Adapter to panel meter: 6 ft (1.8 m) max; Adapter to computer: 3937 ft (1200 m) max.
Power: Powered by panel meter M-LINK connection.
Status Indication: Separate LEDs for power (P), transmit (TX), and receive (RX).

PMA-03

PMA-04, PMA-05 RS-232 to RS-422/485 Converters



SPECIFICATIONS
Compatibility: EIA-232, EIA-422, and EIA-485.
Connectors: Screw terminal connector and DB9.
Distance: RS-232 connection: 50 ft (15 m) max; RS-422/485 connection: 3937 ft (1200 m) max.
Number of Units: Up to 31 RS-485 compatible devices.
Power: 9 to 12 VDC; 115 VAC/12 VDC adapter included.
Isolation: PMA-04: 1500 VAC between data lines; 700 VDC input/output-to-power; PMA-05: 1500 VAC between data lines only.

PMA-04, Isolated
PMA-05, Non-Isolated

PMA-06 USB to RS-232 Non-Isolated Converter



SPECIFICATIONS
Compatibility: USB 1.1, USB 2.0, EIA-232.
Connectors: PC compatible 9-pin D subminiature connector (DB9) and USB type A.
Drivers: Windows® 98/2000/Me/XP operating systems.
Distance: USB connection: 10 ft (3 m) max; RS-232 connection: 50 ft (15 m) max.
Power: USB port.

PMA-06

PMA-07, PMA-08 USB to RS-422/485 Converters



SPECIFICATIONS
Compatibility: USB 1.1, USB 2.0, EIA-422, and EIA-485.
Connectors: Screw terminal connector and USB Type B.
Drivers: Windows® 98/2000/ME/XP operating systems, Linux 2.4 & greater.
Distance: USB connection: 10 ft (3 m) max; RS-422/485 connection: 3937 ft (1200 m) max.
Number of Units: Up to 31 RS-485 compatible devices.
Power: USB port.
Isolation: PMA-07: 1500 VAC between data lines, 700 VDC input/output-to-power; PMA-08: 1500 VAC between data lines only.

PMA-07, Isolated
PMA-08, Non-Isolated

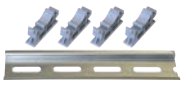
PMA-09 Snubber



SPECIFICATIONS
Capacitance Value: 0.01 µF.
Resistor Value: 470 Ω.
Voltage: 250V.

PMA-09

PMA-10 DIN Rail Mounting Kit for Two Expansion Modules



SPECIFICATIONS
Rail: 6 in (15.24 cm) long.
Mounting Clips: 4 plastic mounting clips with adhesive strips.
Total Capacity: 2 expansion modules.

PMA-10

PMA-11 4 Relay Expansion Module



SPECIFICATIONS
Relays: Four form A (SPST); Rated 3 A @ 30 VDC and 125/250 VAC for resistive loads 1/14 HP @ 125/250 VAC for inductive loads.
Cable: Standard CAT5e cable; provided with module.
Connectors: RJ45.
Tightening Torque: Screw terminal connectors: 5 lb-in (0.56 Nm).
Enclosure: ABS-94HB material, UL94HB.
Overall Dimensions: 2.286 in x .924 in x 3.624 in (58.06 mm x 23.47 mm x 92.05 mm) (w x h x d).
Power: Panel meter M-LINK connection.
Weight: 2.4 oz (68 g).

PMA-11

PMA-12 4 Digital Inputs and 4 Digital Outputs Module



SPECIFICATIONS
System: Up to 2 modules for a total of 8 inputs, outputs.
Digital Input Logic: High: 3 to 5 VDC; Low: 0 to 1.25 VDC.
Digital Output Logic: High: 4.75 to 5 VDC; Low: 0 to 0.4 VDC.
Current: Source: 10 mA max.; Sink: 1.5 mA min..
Cable: Standard CAT5e cable; Provided with module.
Connectors: RJ45.
Tightening Torque: Screw terminal connectors: 5 lb-in (0.56 Nm).
Enclosure: ABS-94HB material, UL94HB.
Power: Panel meter M-LINK connection.
Weight: 2.2 oz (62 g).

PMA-12

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