



Features

- Small size and flexibility
- Three alarm features: integrated LED, audible and relay
- ONT reset function
- Cold start function
- Alarm silence function
- Surge protection and filtering
- UL Listed

Applications

- Optical Network Terminals (ONTs)
- VoIP
- FTTH
- Video
- Any application requiring 12 Vdc

MP1218-P Series Indoor Micro Power Supply

The Bourns® Model MP1218 Series micro power supply is designed and primarily intended for use as a DC power supply for 12 Vdc Optical Network Terminals (ONTs). However, the Model MP1218-P can be utilized in any 12 Vdc application where a DC power supply is required.

Characteristics

| Specification | Model MP1218-P Series |
|--|--|
| INPUT | |
| Voltage Range | 100 Vac to 240 Vac |
| Frequency Range | 50 / 60 Hz |
| Input Power Cord | NEMA 5-15/3-Prong Power Cord |
| Ground Reference | Earth Grounded |
| OUTPUT - ON AC (When AC Power is Available) | |
| Output Voltage | 12 Vdc (Nominal) |
| Continuous Power Capacity | 1.5 A (18 Watts) |
| SURGE PROTECTION AND FILTERING | |
| Lightning / Surge Protection | IEC 61000-4-5 2005 Level D |
| MANAGEMENT | |
| Battery Auto-Charge | Yes |
| Remote Battery Alarming | Optional |
| Local Alarming (Audible/Visual) | Yes |
| Temperature Monitoring | Yes |
| Alarm Silence | |
| 24-Hour Silence | Yes |
| Disable Indefinitely | Yes |
| ONT Reset | Yes |
| Cold Start "Emergency Standby" | Yes |
| PHYSICAL | |
| Maximum Dimensions (LxWxD) | 162.6 x 42.9 x 49.8 mm (6.4 x 1.69 x 1.96 in.) |
| Weight | 1.25 lb (with battery pack) |
| ENVIRONMENTAL | |
| Operating Temperature | -10 °C to +49 °C (+14 °F to +120.2 °F) at Full Power |
| Operating Humidity | 0-95 % Noncondensing within Enclosure |
| Maximum Operating Elevation | 3,000 m (10,000 ft.) |
| Storage Temperature | -30 °C to +65 °C (-22 °F to +149 °F) |

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

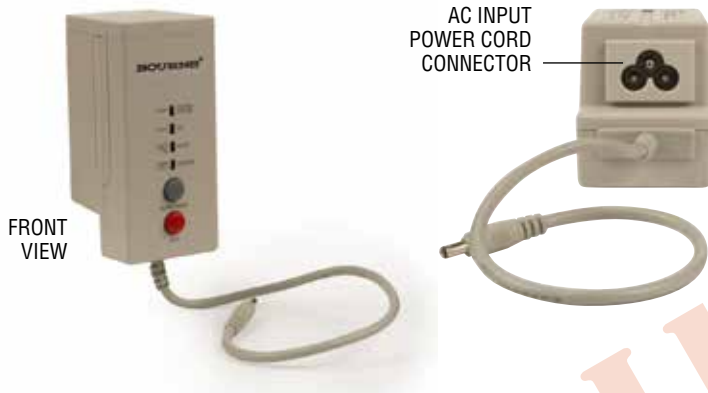
MP1218-P Series Indoor Micro Power Supply

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Output Cabeling Options

NOTE: Please verify that all contents are accounted for upon receipt of Micro UPS.

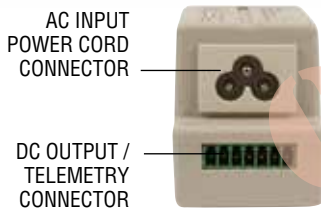
C2 2-Conductor Output



Contents of Standard MP1218-P-C2 Micro Power Supply Package:

- (1) Power Supply / Charger
- (1) A/C Power Cord
- (2) Barrel Connectors
- (1) User Manual

C7 7-Conductor Vdc and Telemetry Output



| Pin | Color | AWG | Description |
|-----|--------|-----|-----------------------|
| A | Red | 20 | Power Input (+12 Vdc) |
| B | Black | 20 | Power 12 Vdc Return |
| C | Green | 26 | Signal Return |
| D | White | 26 | On Battery |
| E | Brown | 26 | Replace Battery |
| F | Blue | 26 | Battery Missing |
| G | Orange | 26 | Low Battery |

Contents of Standard MP1218-P-C7 Micro Power Supply Package:

- (1) Power Supply / Charger
- (1) A/C Power Cord
- (1) 7-Pin Connector
- (1) User Manual

How to Order

Series Designator _____ MP 1218 - P - YY

MP = Micro Power Supply Series

Output / Wattage Designator _____

1218 = 12 Vdc Output / 18 Watts

Unit Designator _____

P = 12 Vdc Power Supply

Output Cabeling and Telemetry Options _____

C2 = 2-Conductor Output / No Telemetry

C7 = 7-Conductor Vdc and Telemetry Output

| Option | Audible Alarm | Visual Alarm | Relay Alarm to ONT |
|--------|---------------|--------------|--------------------|
| C2 | Yes | Yes | No |
| C7 | Yes | Yes | Yes |

Custom cabeling available - please contact Bourns Customer Service.

REV. A 01/16

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