

FEATURES

- UL Listed, File #S405, Standard #864 under the MPC-2000 System Control Unit
- CSFM Listed, #7165-0065:123 under the MPC-2000
- 1.5 amp @ 24VDC fully filtered / regulated, *non-resettable* power output & one 1.5 amp at 24VDC fully filtered / regulated, *resettable* power output
- Compatible with MPC-2000 systems using 3.200 software or higher
- Fully power limited
- Provides power for operating CU-2 unit, option modules and/or separately powered (4-wire) detection devices
- Built in system wide pulse "ground detection" circuitry (positive and negative)
- Built in system wide "brown out" monitor/control circuitry (automatic)
- Built in transient protection
- Built in standby battery transfer circuitry (automatic)
- IBEW/USA Crafted



GENERAL

The MP-3 main power supply module provides a battery backed means of supplying up to 3.0 Amp. @ 24VDC of filtered, regulated and resettable system operating power for the MPC-2000. This power is provided for operating the CU-2 main control unit, a quantity of other control unit option modules and/or *separately powered (4-wire) type* detection devices.

DESCRIPTION

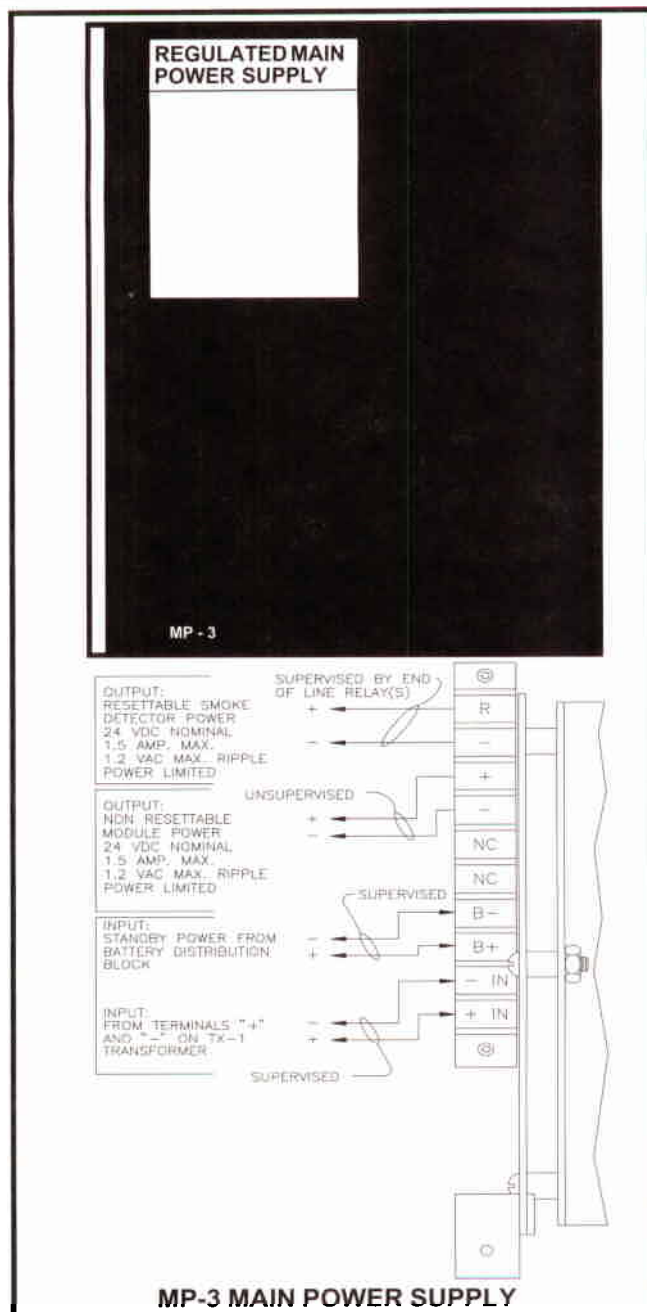
The primary function of the MP-3 main power supply module is to provide operating power to the CU-2 main control unit and a series of other control unit modules. A secondary function of the MP-3 is to allow access to any remaining power (after the primary functions are accomplished) for use as resettable power for separately powered (4-wire) detection devices. The MP-3 module also provides for access of the system's stand-by battery set for powering the above functions during a primary power fault condition. System wide "brown-out" and "ground detection" circuitry is built into the MP-3 module.

The MP-3 module must be supplied with filtered raw operating power from 1/2 (filtered ckt.) of a TX-1 power transformer module.

Since the MP-3 module is paired with the CU-2 module, all "power on" and "trouble" status indications associated with the MP-3 module are displayed on the CU-2 module.

ORDERING INFORMATION

Model #	Part #	Description
MP-3	401379	Main Power Supply



TECHNICAL DATA

- Power Provision:** 1.5 Amp @ 24 VDC filtered, regulated, power limited and resettable
 1.5 Amp @ 24 VDC filtered, regulated, power limited and non-resettable
- Power Consumption:** 3.0 Amp. @ 26-48 VDC filtered from (1/2) TX-1 module
 Alarm .110 Amp @ 24VDC
 Standby .110 Amp @ 4VDC
- Space Consumption:** (2) Module spaces
- Channel Provision:** (1) Power channel for CU-2 module
- Channel Consumption:** (1) Module on the miscellaneous channel

FARADAY MPC-2000 FIRE ALARM SYSTEM CONTROL UNIT - OPTION MP-3

FEATURES

- UL Listed, File #S405, Standard #864 under the MPC-2000 System Control Unit
- CSFM Listed, #7165-0065:123 under the MPC-2000
- Compatible with MPC - 2000 systems using 3.200 software or higher
- Automatic demand rate type charger
- Battery lead supervision
- Low battery supervision
- 5.0 Amp maximum charging output
- Fully power limited
- Capacity up to 76 Amp Hrs. of batteries
- Fully filtered and regulated, up to 27.8 VDC charging output voltage
- Designed for charging of "no maintenance" sealed lead-acid composition batteries
- IBEW/USA crafted



GENERAL

The BC-2 automatic battery charger provides the necessary power to maintain the standby batteries for the MPC-2000 fire alarm system. The BC-2 charger is a solid state unit which is designed to provide optimum charging characteristics to assure maximum charging of the recommended standby battery set. Internal circuitry allows the charger to constantly meter the batteries for proper charge current and voltage automatically. Once the standby battery set has been brought to full charge, the BC-2 charger will automatically continue to peak the battery as required assuring a full charge and long battery life.

DESCRIPTION

The BC-2 charger is designed to monitor the standby battery set and will activate its own yellow LED "trouble" indicator as well as the MPC-2000's system trouble indicator and system status display if the battery voltage drops below a pre-set level, the battery set is disconnected, the battery set is shorted or open, or if the battery leads or battery set should reverse polarity. A green "power on" LED is provided on the front of the module thus indicating that the charging system is functional and in the normal standby condition. The above features along with others have been designed into the standard BC-2 battery charger module thus assuring that the battery will be functional when called upon to operate the system during a primary power failure.

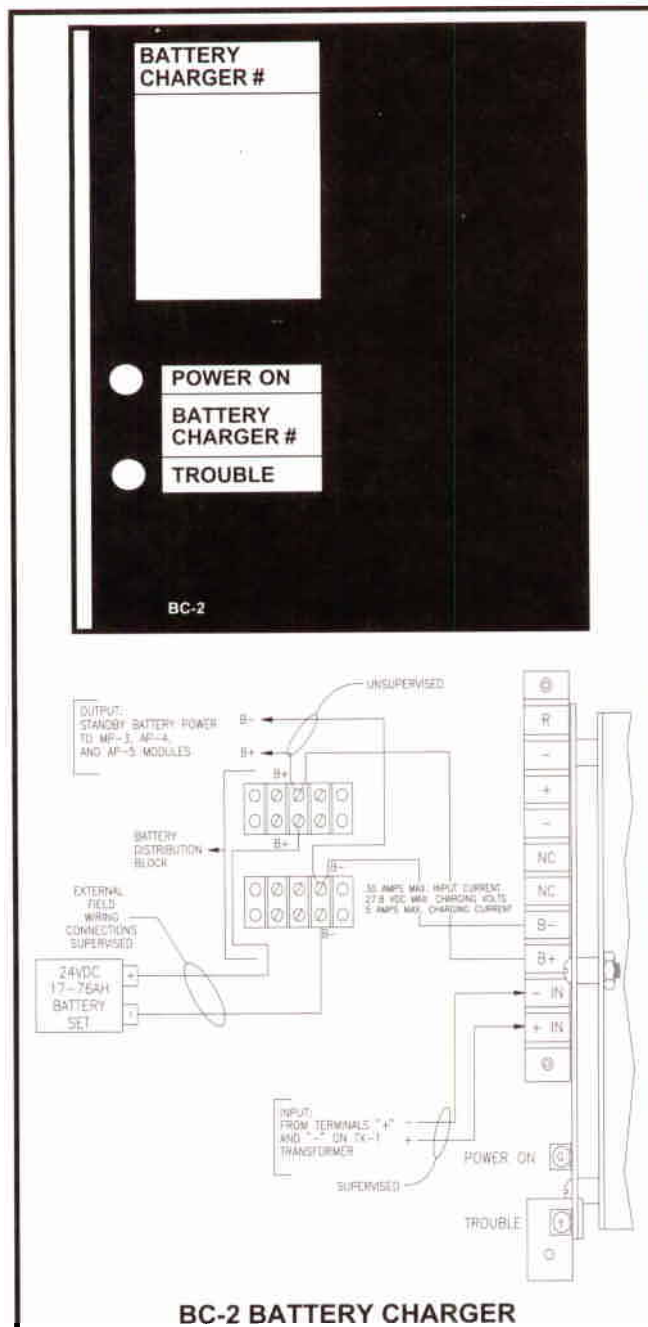
The BC-2 module is designed to charge from 17-76 Amp hrs. of sealed lead acid type "maintenance free" 24 volt battery sets.

The BC-2 module must be supplied with filtered raw operating power from 1/2 (filtered ckt.) of a TX-1 power transformer module.

ORDERING INFORMATION

Model #	Part #	Description
BC-2	401380	Battery Charger Module

WARNING - The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information, are provided with the product and are available from the Manufacturer. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact the Manufacturer.



TECHNICAL DATA

- Battery Charge Type:** Sealed Lead Acid / Gell Cell
- Power Provision:** 5.0 Amp @ 24VDC filtered, regulated, and power limited power for charging 76 Amp. hrs. maximum of batteries
- Power Consumption:** 3.0 Amp @ 26-48VDC filtered from (1/2) TX-1 transformer
Alarm .010 Amp @ 24VDC
Standby .010 Amp @ 24VDC
- Space Consumption:** (2) Module spaces
- Channel Consumption:** (1) Module on the miscellaneous channel