

FEATURES

- UL listed, File #S405, Standard #864 under the MPC-2000 System Control Unit
- CSFM, Listed #7165-065: 123 under the MPC-2000
- BSA approved, calendar #524-77-SA under the MPC-2000
- 32 character alpha-numeric back lighted LCD system status, function and programming prompting display
- Positive action membrane keypad for operator controls and system programming and testing
- Completely user friendly programming and operating functions
- Discrete LED major status system monitor array
- Provides full processor capability to run all standard and optional software packages and modules, up-load/down-load etc.
- Compatible and required for all conventional and analog/addressable systems post 9/91
- Non-volatile EEPROM memory with password software key protection

• IBEW/USA crafted



GENERAL

The CU-2 central processing unit is the main program control and display module for the MPC-2000 System Control Panel. This module assembly basically consists of three circuit boards, a 32 character back-lighted alpha-numeric display and a membrane keypad-cover assembly. The CU-2 provides for the system operator/programmer to interact with the control panel via the keypad, responding to LED/LCD status displays and prompts. The CU-2 unit also houses the microprocessor controller which acts as the executive for the system providing input and output control channels for all other system control unit modules.

DESCRIPTION

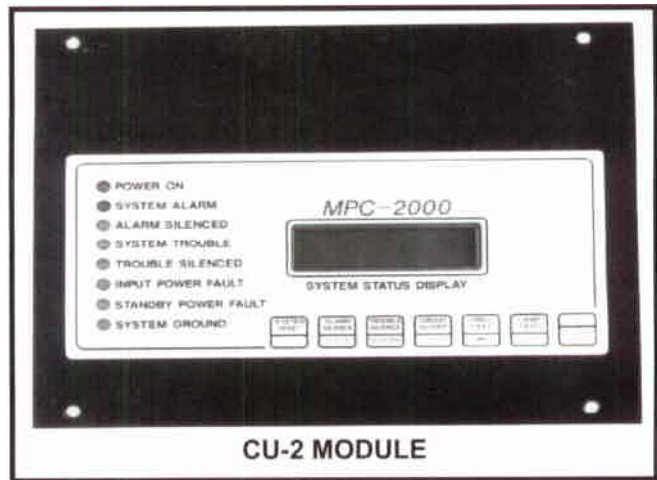
The CU-2 central processing/control unit consists of (1) CPU assembly and (1) keypad and cover assembly. The primary function of the CPU unit is to scan and control all other control unit modules and allow for operator interaction and programming with the complete control unit. Some keypad control functions are as follows.

System Operator Controls:

- System Reset • Alarm Silence • Circuit Cutoff: Zone, Signal and City Tie Circuit Disconnect
- Drill Test: Perform Drill Sequence, Perform Recall Sequence, Lamp Test, Time Set and Date Set

System Programmer Controls: (requires special access code)

- Timer sets and assignments • Enable conventional zone alarm verification (requires use of ZN-1 type conventional zone modules) • Configure pre-signal general alarm formats • Configure waterflow conventional zones



System Programmer Controls (Cont'd)

- Configure supervisory switch conventional zones
- Configure non-coded conventional zones
- Configure conventional zone codes (requires optional ZCP-1) software
- Configure custom conventional zone and analog - addressable device alarm status messages
- Configure system printer (requires use of optional BB-2 and PR-1 modules)
- Configure system remote control/display units (requires use of optional BB-2, SI-2/SI-3 modules & RDC-700A/RDC-800 annunciators & R710 relays)
- Configure analog/addressable system parameters (requires use of BB-2 and AM-1 optional modules)

Program System Operations:

- Conventional and addressable/analog zone to signal circuit matrixing
- Conventional and addressable/analog zone to auxiliary relay circuit matrixing
- Program time delayed on/time delayed off operations (conv. signal ckts. and aux. relays only)
- Program signal circuit and auxiliary output formats (march time, temporal, steady, zone code, master code, supervisory, etc.)
- Program recall signal circuit output formats
- Program supervisory (tamper) signal circuit off-normal and restoration
- Program silenceable and non-silenceable signal circuits and auxiliary relays
- Program relay(s) for "4-wire" smoke detector alarm verification operations
- Enable quick test formats

ORDERING INFORMATION

Model #	Part #	Description
CU-2	401348	Main Control Unit

Sample auto-scrolling alpha-numeric operator status displays include:

- Time/date (normal standby condition)
- Conventional zone and analog/addressable device alarms (priority displays in alarm condition)
- Zone and/or device troubles
- Zone and/or loop cutoffs
- City tie circuit cutoff
- Negative ground faults
- Standby power faults
- Auxiliary relays off normal
- Addressable device information (if used)
- System programmer prompts (available during system configuration and programming)

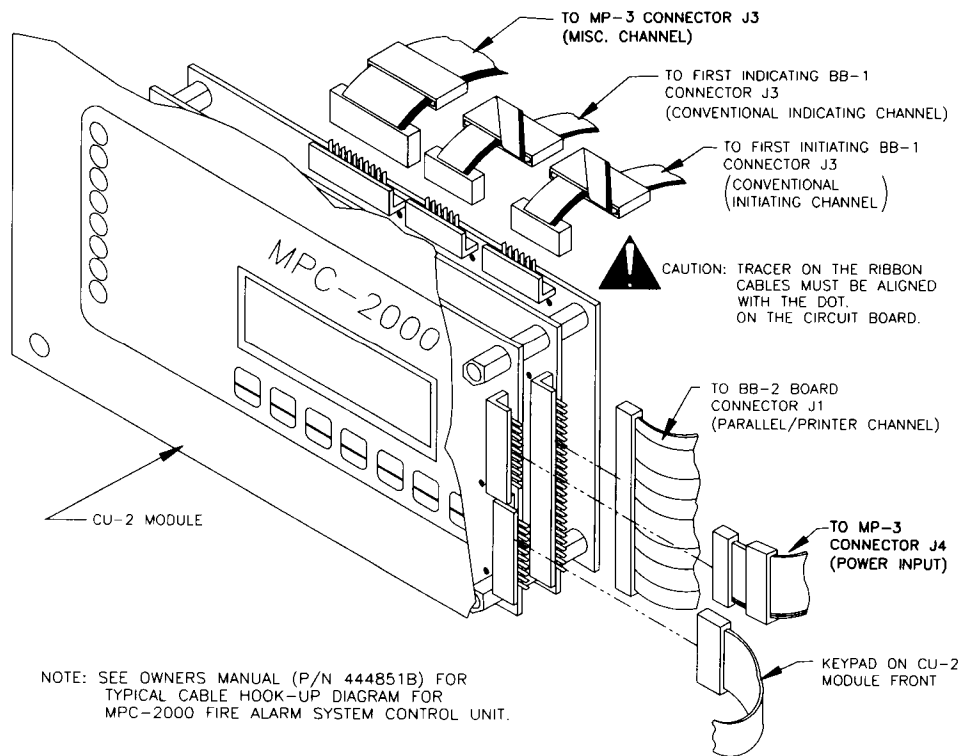
Available operator discrete status LED's include:

Green	Power On
Red	System Alarm
Yellow	Alarm Silenced
Yellow	System Trouble
Yellow	Trouble Silenced
Yellow	CPU Fault
Yellow	Input Power Fault
Yellow	Standby Power Fault
Yellow	System Ground

TECHNICAL DATA

- Power Provision:** None
- Power Consumption:** Alarm and standby in MP-3 (See MP-3 module data sheet FA/C-4-3B)
- Space Consumption:** (5) Module spaces
- Channel Provisions:** **Input-**(Conventional initiating) - max. 104 ckts. (I/O for ZN modules up to (2) BB-1 buffer modules must be used)
Output-(Conventional indicating)-max. 96 ckts. (I/O for SC/AR modules up to (2) BB-1 buffer modules must be used)
Misc-17 modules (I/O for MP, DC, BC, AP, CT, AR, SC tamper modules)
Parallel/Printer-11 modules total (I/O for 1 PR module and up to (8) AM, (1) CI and (1) SI module with (1) BB-2 module must be used)
- Channel Consumption:** **Power-**1 ckt. (from MP-3 main power supply)

TYPICAL CABLE HOOK-UP FOR CAT. NO. CU-2 / PART NO. 401348 MAIN CONTROL 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.