

## FEATURES

- UL, FM, BSA & CSFM listed
- Provides master buffer circuitry for the printer/parallel communication channel (up to 11 modules)
- Required when SI-2, CI-1 or AM-1 addressable/analog modules are used
- Built-in transient and RF protection for all modules connected to the BB-2 module
- Fully power limited
- Compatible with CU-2 equipped systems
- IBEW/USA quality crafted



## GENERAL

The BB-2 buffer board module acts as an interface between the CU-2 central processing unit and the PR and AM series of modules in the MPC-2000 control unit. A maximum of (1) BB-2 module is required for the printer/parallel communication channel loop in the MPC-2000 when AM modules are used. The BB-2 module will buffer up to the full system compliment of (1) PR-1 panel printer, (8) AM-1 addressable/analog modules, (1) SI-2 serial interface, (1) CI-1 remote computer interface and (1) CI-2 remote printer interface. The BB-2 module splits the printer/parallel communication channel into a distinct and supervised printer channel and a distinct and supervised parallel channel.

## DESCRIPTION

Each MPC-2000 Fire Alarm System Control Unit contains (4) communication channels as a means of communicating between the CU-2 main control unit and the other individually programmable modules contained in the control unit. These are:

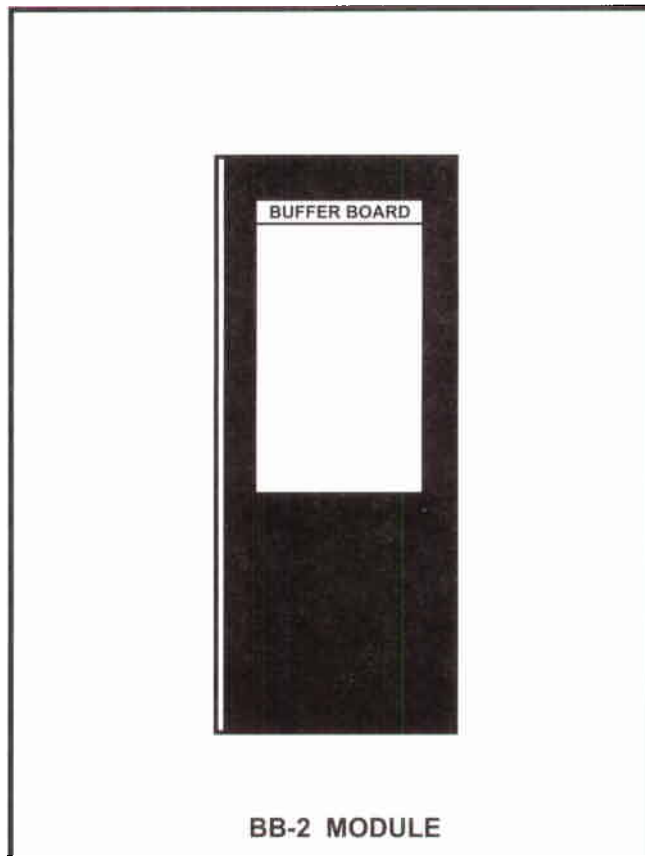
Initiation Channel: Conventional zone inputs (BB-1 & ZN modules)

Indicating Channel: Conventional ckt. outputs (BB-1 & SC & AR modules)

Miscellaneous Channel: "System" ckt. outputs/power (MP, AP, BC, AR, DI, CT, SC modules)

Printer/Parallel Channel: Printed data & addressable/analog input/output points (BB-2, PR, AM, SI-2, CI-1 & CI-2 modules)

Of these (5) inter-module communication channels the printer/parallel channel must be buffered from the CU-2 main control unit via a BB-2 module if printer/parallel modules are being used. The BB-2 will provide buffering for up to (8) AM-1 modules as well as (1) PR-1 module, (1) SI-2 module (1) CI-1 module and (1) CI-2 module.

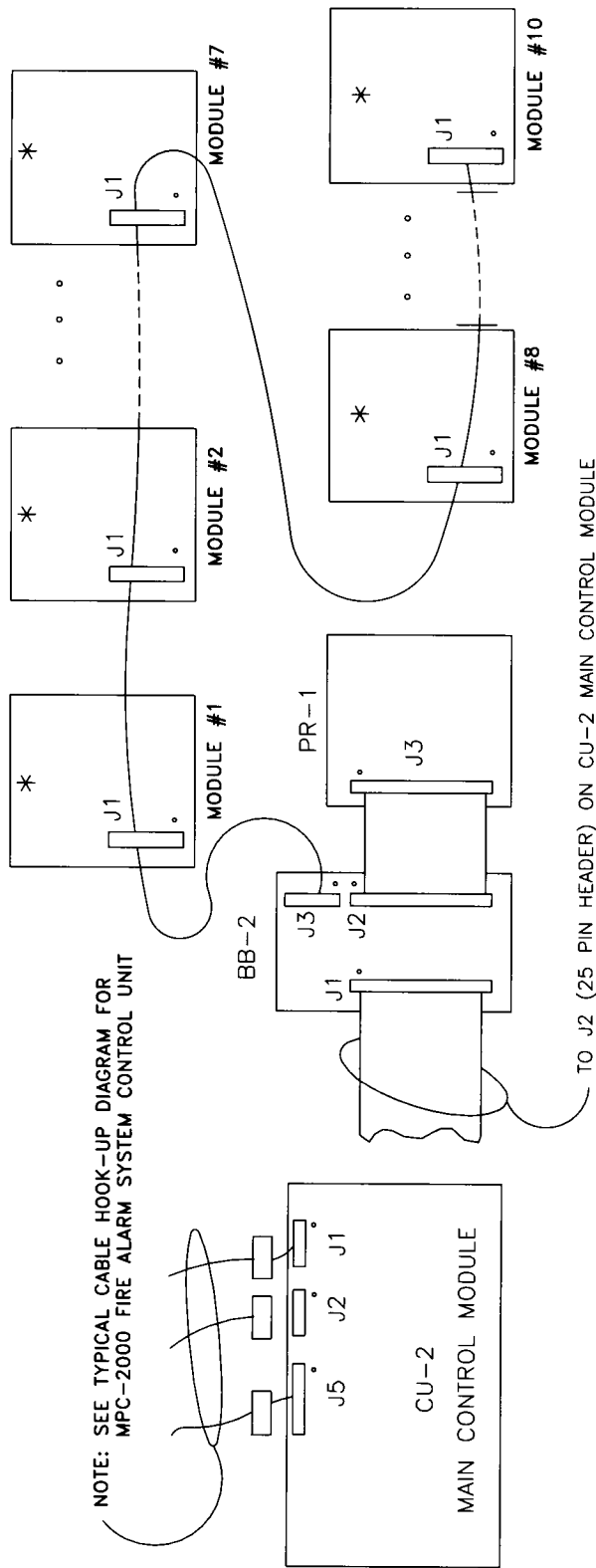


## TECHNICAL

- Power Provision:** None
- Power Consumption:** Alarm - .006 Amp. @ 24VDC  
Standby - .006 Amp. @ 24VDC
- Space Provision:** None
- Space Consumption:** (1) Module Space
- Channel Provision:** Buffering for up to (8) AM-1 modules, (1) SI-1 module, (1) CI-1 module, (1) CI-2 and (1) PR-1 module on the printer/parallel channel
- Channel Consumption:** None

## ORDERING

Model #	Part #	Description
BB-2	401338	Control Buffer Module



NOTE: BB-2 BUFFER BOARD MUST BE MOUNTED ADJACENT TO THE CU-2 MAIN CONTROL UNIT AND THE PR-1 PRINTER MUST BE MOUNTED ADJACENT TO THE BB-2 BUFFER BOARD.

\* PARALLEL CHANNEL MODULES

- AM-1 ADDRESSABLE/ANALOG (8 MAX.)
- CI-1 REMOTE COMPUTER (1 MAX.)
- SI-2 SERIAL INTERFACE (1 MAX.)
- CI-2 REMOTE PRINTER (1 MAX.)

NOTE: PARALLEL CHANNEL MAY HAVE UP TO 10 MODULES MAXIMUM.  
(BB-2 PLUS AN ADDITIONAL 10 MODULES)



CAUTION:  
TRACER ON THE RIBBON CABLES  
MUST BE ALIGNED WITH THE DOT  
ON THE CIRCUIT BOARD.

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.