

IP Fire Series™ Common Cards

- **CCR**
- **MBLR**

Description

The IP Fire Series™ from AsBuilt™ Engineered Systems is a revolutionary IP-based fire control network consisting of a series of addressable control modules that can be distributed throughout any type of facility.

Core modules connect to other core modules to form the fire protection system. No central processing unit is required. With no single point of failure, distributed modules provide the greatest degree of building protection. Any module failure will not impact the operation or timely response of any of the remaining modules.

Both distributed network systems and pre-configured central systems require the capability to accommodate common control or panel level functions.

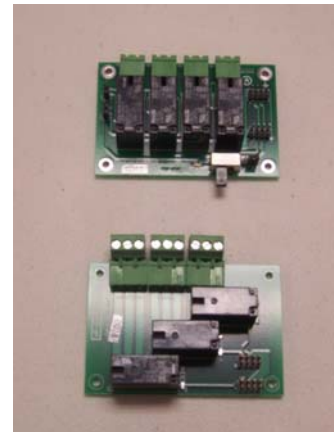
The IP Fire Series™ panel-level common cards can connect to any display module located anywhere on the network.

The Common Control Relay Card (CCR) provides for Common Alarm, Common Trouble and Common Supervisory relays (NO/CO/NC) activated by events anywhere on the fire control network. The three relays are rated at 2.0A @30 VDC Resistive load each.

The CCR can be mounted with any VPM or SDM installed on the network fire system by a simple ribbon cable connection. Multiple instances of the CCR may be installed as required on each display module installed on the network and up to two CCR boards may be daisy chained together off of any single network module. The CCR is mounted directly to the system chassis within the cabinet.

The Masterbox/Line Reversal card (MBLR) is also mounted with any display module installed on the network fire system by a simple ribbon cable connection. If present, the MBLR may be daisy-chained directly off of the CCR. The MBLR is mounted directly to the system chassis within the cabinet.

IP Fire Series™ network modules will continue to operate independently during communication loss. Since the CCR and MBLR may be installed in multiple instances and located in distributed enclosures throughout the facility, redundant connections to outbound signaling systems such as dialing devices, digital transmitters or other notification systems add security to the installed system by adding redundant paths to external reporting agencies.




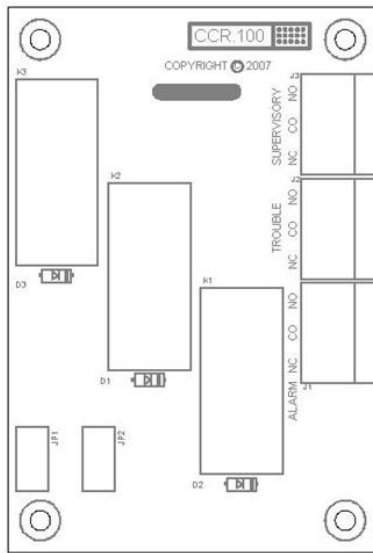
Features

- **Common cards can be connected to any IP Fire Series™ distributed display module (VPM/SDM)**
- **Common cards may be daisy chained up to two per networked module**
- **Common Control card (CCR) provides relays for Common Alarm, Common Trouble and Common Supervisory**
- **CCR relays NO/CO/NC, rated at 2A @30VDC Resistive Load**
- **City tie Masterbox/Line Reversal Card**
- **Simple ribbon cable connection**
- **Mounts directly onto cabinet chassis**
- **Green/RoHS Compliant**

Listings

UL File: S24573
CFSM: Pending
MEA: Pending

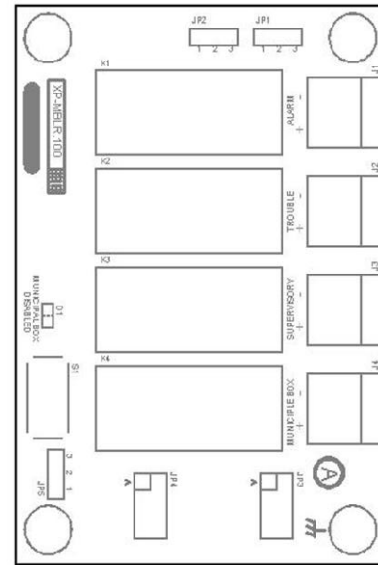
Product	Data Sheet Number	Rev/Revision Date	
IPF Series™ Common Cards	1051	1.3/ 5/1/2009	



CCR Common Control Relay Card (CCR)

Jumper/Switch	Description
J1	Alarm Input Wiring Location
J2	Trouble Input Wiring Location
J3	Supervisory Input Wiring Location
JP1	Inter-Board Connector 1 (In)
JP2	Inter-Board Connector 2 (Out)

- NC – Normally Closed
- CO – Common
- NO – Normally Open
- JP1 and JP2 chain connectors allow connections to the ALM, and to another General Relay Board (GRB), or to a Line Reversal / Masterbox Board (MBLR)



Masterbox Line Reversal Card (MBLR)

Jumper/Switch	Description
J1-J3	Line Reversal Wire Connectors (Alarm, Trouble, Supervisory) ²
J4	Municipal Box ³ Suitable for conn. to Masterbox coils rated down to 13.7Ω
JP1-JP2	MBLR Configuration PINS ¹ (Apply to ALARM/TROUBLE Only)
JP3-JP4	Inter-Board Connectors
JP5	Onboard Municipal Box Disable Pins 1-2: Enable Pins 2-3: Disable
S1	Municipal Box Disable Switch
D1	Municipal LED Status (On: Disabled, Off-Enabled)

- ¹ JP1-JP2: PINS 1-2: Operate Normally
- PINS 2-3: Combines ALARM and TROUBLE conditions into one circuit
- Note: When combined, only J1 (ALARM) is operational.

Technical Data

CCR

Quiescent Power Draw: 0 mA
Alarm Power Draw: 69 mA

MBLR


Quiescent Power Draw: 0 mA
Alarm Power Draw: 92 mA

Ordering Information

Part Number	Data Sheet	Description
CCR, MBLR	1051	Optional Common Control Relay Card

Related Modules, Accessory Cards and Cabinets

Cabinets	1045	IPF-xy, IPF-XL and REM- Cabinet Options
IPF-xy, XL	1050	IPF-xy, IPF-XL Pre-Configured Systems
VPM/SDM	1010	VPM/SDM Configuration/Display Modules
ALM	1020	Analog SLC and NAC Circuits
UXB, UXB-KS	1052	Optional USB Extension Card
KPD	1053	Optional QWERTY Keypad

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