Description

The Annunciator Control Module (ACM3-IP) is used to drive LED or relay points. The ACM3-IP communicates with all other modules installed on the network through an Ethernet connection and is addressed through the ACM3-IP unique IP address.

Each ACM3-IP board can monitor and control up to 64 configurable points. These points can either be LED or open collector output drivers on the LED Connector Board (LCB3) or relay points on the Relay Connector Board (RCB3). Each LCB3 contains 32 individual LED/open collector output points. Each RCB3 contains 32 Form A relays rated at 5A each.

The ACM3-IP supports LCB3 and RCB3 boards in any combination.

Point capacity is expanded with the Annunciator Expander Module (AXM3). Each AXM3 adds an additional 128 configurable points to the system. Up to 15 AXM3's may be daisy chained from the ACM3-IP to provide a total of 1984 configurable points per ACM3-IP.

Points can be programmed to activate on system wide events such as General Alarm, General Trouble, General Supervisory, Signal Silence and other events.

Also, through the 'Status Specific Operation' programming function, the ACM3-IP can fire individual points on any of the connected LCB3 or RCB3 boards based on the specific status of any individual input device installed anywhere on the system.

The LED/open collector outputs on the LCB3, heavy-duty relays on the RCB3, the expandable high-point capacity and the ease of status specific programming of each point make the ACM3-IP, AXM3, LCB3 and RCB3 ideal for simple LED annunciation as well as advanced building control functions such as fan control operations.

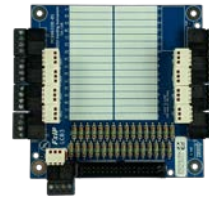Multiple ACM's may be added to the FxIP™ control system up the system maximum of 49.

ACM3-IP

AXM3

LCB3

RCB3

Features

- Each ACM3 can drive 64 programmable points – expandable to 1984
- Each AXM3 module expands point capacity in increments of 128 points
- Up to 15 AXM3's can be daisy chained off of each ACM3
- Each LCB3 contains 32 programmable LED or open collector output points
- Each RCB3 contains 32 on-board 5A Form A relays
- Each ACM3 provides for Remote Acknowledge, Remote Reset, Remote Signal Silence and Lamp Test
- System-wide 'status specific' operation can activate preprogrammed outputs based on each/any individual device status
- Modules are listed as UL recognized components for ease of integration into third party graphic annunciation or building control applications

Listings

UL 864/10th Edition File (S35453)
FCC Part 15 Class A Compliant

Represented by:

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Engineer Specification

The contractor shall furnish and install, where indicated on the plans, central or distributed programmable LED drivers, programmable Open Collector output drivers or programmable relay modules for event annunciation and advanced building control functions. The Annunciator Control Module (ACM3-IP) shall be field programmable, maintain an integral 3000 event history log, and provide for Remote Acknowledge, Remote Reset, Remote Signal Silence and Lamp Test. Each ACM3-IP installed on a system shall be capable of expanding to 1984 points through the Annunciator Expander Module (AXM3). Both the ACM3 and AXM3 shall be capable of adding LED Connector Boards (LCB3) or Relay Connector Boards (RCB3) in any combination. The LCB3 shall also be capable of driving Open Collector Output points in addition to LED's. The ACM3 shall be capable of remote installation and shall be capable of being powered from a central 24V system source or with an integral 8A power supply and battery charger. The ACM3-IP shall contain an integral USB 2.0 Type A communications port for firmware upload and shall also be capable of being programmed or backed-up through the USB ports of any attached VPM3-IP/SDM3-IP display module via standard USB Mass Storage Devices. The ACM3-IP must be UL listed and UL listed as compatible with Harding network fire controls. The Annunciator Module and attaching control boards shall be Harding part numbers ACM3-IP, AXM3, LCB3 and RCB3.

Technical Data

ACM3-IP
24Vdc Non-Resettable System Power
Quiescent Power Draw: 189 mA
Alarm Power Draw: 189 mA
Available Points: 64

AXM3
Quiescent Power Draw: 5 mA
Alarm Power Draw: 9 mA
Available Points: 128
Max Allowed per ACM3-IP: 15

LCB3
Quiescent Power Draw: 0 mA
Alarm Power Draw: .05 mA per Active LED
Points per LCB: 32
Point Driving Capability: LED, Open Collector Output

RCB3
Quiescent Power Draw: 0 mA
Alarm Power Draw: 2.3 mA per Active Relay
Points per RCB: 32
Relay Data: Form A, 5A

Ordering Information

Part Number	Description
ACM3-IP	Annunciator Control Module (up to 64 Configurable Points)
AXM3	Annunciator Expander Module (up to 128 Configurable Points)
LCB3	LED/Open Collector Output Driver Board (32 Output Points)
RCB3	Relay Connector Board (32 On-Board Relays)

Related Modules and Accessory Cards

Part Number	Data Sheet	Description
SDM3-IP	SDM3-IP	Standard Display Module
ALM3-IP-10	DS-ALM3-IP	ALM3-IP Module with 1 1A/24V SLC, 0 3A/24V IOC\NAC Circuits
ALM3-IP-02	DS-ALM3-IP	ALM3-IP Module with 0 1A/24V SLC, 2 3A/24V IOC\NAC Circuits
ALM3-IP-12	DS-ALM3-IP	ALM3-IP Module with 1 1A/24V SLC, 2 3A/24V IOC\NAC Circuits
ALM3-IP-20	DS-ALM3-IP	ALM3-IP Module with 2 1A/24V SLC, 0 3A/24V IOC\NAC Circuits
ALM3-IP-22	DS-ALM3-IP	ALM3-IP Module with 2 1A/24V SLC, 2 3A/24V IOC\NAC Circuits
ESU3-IP	DS-ESU3-IP	Ethernet Switch Unit
EIS6	DS-ESU3-IP	Fiber-Optic Switch

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