

Description

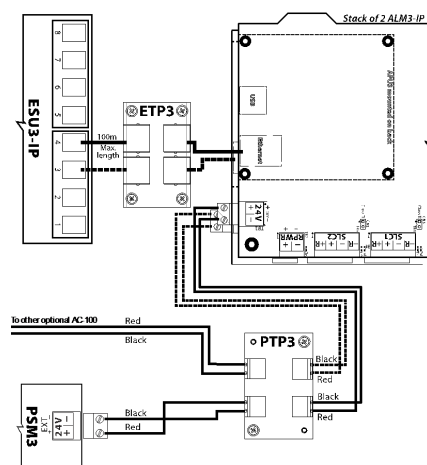
The FxIP™ fire control network from Harding Instruments is a revolutionary IP-based fire control network consisting of a series of addressable control modules that can be distributed throughout any type of facility.

No central processing unit is required. Core modules connect to other core modules to form the fire protection system. With no single point of failure, distributed modules provide the greatest degree of scalability, survivability and building protection. True distributed architecture provides scalability and ensures reliable and timely response times.

The AC-100 Accessory Cabinet is used for installing remote ALM3-IP modules as well as various Ethernet switches. The AC-100 uses different internal subplates to mount module boards or Ethernet switches. Each AC-100 cabinet is powered from the external 24 Vdc power output of an FC-250 cabinet, or an external third-party UL 864 listed power supply with a power limited regulated 24 Vdc output.

The AC-100P-1-AAA-BBB may contain one or two FxIP fire alarm I/O modules. If two ALM3-IP modules are installed then two separate Ethernet cables must be used to connect the two ALM3-IP modules to the Ethernet switch in some other fire alarm control panel, the FC-250 or another AC-100. The Ethernet cables entering the AC-100 cabinet are routed through an Ethernet Transient Protection (ETP3) board in order to prevent damage caused by electrical transients. The exact configuration of any particular AC-100 is determined by the ordering number AC-100P-AAA-BBB.

Typical Wiring for 2 Remote ALM-IP Modules



Features

- Distributed modules may be added to the system at any point in the protected facility
- IP protocol provides error free module addressing
- Ethernet connection provides fast, secure communication
- On board USB ports for upload/download to USB Mass Storage Device
- ALM3-IP Supports Harding's Series 21 I/O devices and Series 22 detectors
- 3000 event history per module
- Programmable soft keys
- Groups/Zones assignments and CBE routines
- Advanced Boolean Logic CBE Routines
- Coded Signaling on integral NAC circuits
- 3A IOC/NAC circuits
- Day/night mode
- Drift Compensation
- Green/RoHS Compliant

Listings

UL 864/10th Edition File (S35453)

FCC Part 15 Class A Compliant

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Represented by:

Ordering Options

AC-100P	T	AAA	BBB	AC-100 Configuration Options
AC-100R				Paint
AC-100B				Red
				Beige
	1			Cabinet Type
				AC-100 Module Version
				Module 1 (Lower Slot)
		1AI		ALM3-IP
		300		ESU3-IP
				Module 2 (Upper Slot)
			000	None
			1AI	ALM3-IP

AC-100P	T	ABC	DEF	AC-100 Configuration Options (Fiber Switch Version)
AC-100R				Paint
AC-100B				Red
				Beige
	2			Cabinet Type
				AC-100 Contemporary Control Fiber Switch Version
				Switch Operation
		121		Contemporary Controls Copper and Fiber Multi mode ST Connect
		122		Contemporary Controls Copper and Fiber Multi mode SC Connect
		126		Contemporary Controls Copper and Fiber Single mode SC Connect
				Ports and installation
			410	Four Copper Port Close Coupled Installation
			420	Four Copper Port Remote Installation

AC-100P	T	AAA	BBB	AC-100 Configuration Options (Communication Version)
AC-100R				Paint
AC-100B				Red
				Beige
	4			Cabinet Type
	5			Communication Version (RS-232 Version)
				Communication Version (Remote ALM Connected Version)
				Module 1 (Lower Slot)
		400*		AT&T
		401*		Verizon
				Module 2 (Upper Slot)
			000	None
			1AI	ALM3-IP

* 40X Requires ALM3-IP to be installed in cabinet

A=Addressable loops,
I=Integral Outputs

(AI=01,10,12,20,22)

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AC-100P-2-ABC-DEF

- 1) An AC-100P-2-ABC-DEF contains one of the Ethernet switch modules shown above. These modules provide various combinations of copper and fiber optic Ethernet ports. Versions of the fiber ports can be ordered for single mode or multimode fiber using various fiber cable connectors.
- 2) The Ethernet cables entering the AC-100 cabinet are routed through an Ethernet Transient Protection (ETP3) board in order to prevent damage caused by electrical transients. The ETP3 protects two Ethernet connections and therefore an additional ETP3 is necessary in order to provide protection to all four copper ports of the switch.

PART NUMBER	DESCRIPTION
EIS6-100T-FT ²	Four-port 100BASE-TX/two-port 100BASE-FX (multimode) switch w/ST connectors
EIS6-100T-FCS ²	Four-port 100BASE-TX/two-port 100BASE-FX (single-mode) switch w/SC connectors
ETP3	Two ETP3 modules are included
PTP3	One PTP3 module is included

Specification

Physical Form

12" x 12" x 4" (304.8 x 304.8 x 101.6mm)

Environmental

Operating Temperature
0° C to 49° C (32° F to 120° F)

Humidity

(non-condensing) of 85% at 30° C (86° F)

Power Requirements

Input voltage non-resettable 24 Vdc

Module Data Sheets

Part Number	Data Sheet	Description
ALM3-IP-XX	DS-ALM3-IP	ALM3-IP Module
ESU3-IP	DS-ESU3-IP	Ethernet Switch
EIS6	DS-ESU3-IP	Cooper/Fiber - Ethernet Switch

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