

**ICM-4 and ICE-4 Indicating Circuit Modules**

**Features**

- Four alarm indicating/releasing circuits, expandable to eight
- Supervised, power limited outputs, suitable for use with limited energy cable
- Outputs resound on subsequent alarm
- Outputs may be programmed as silenceable or non-silenceable
- Each circuit is provided with a switch for manual activation/deactivation, enable/disable and programming
- LEDs for indication of circuit activation and trouble
- Separate input connections for audible-visual circuit power

**Applications**

The ICM-4 is designed for use with the AUTOPULSE IQ-396X fire alarm control system. The ICM-4 module provides four Style Y (Class B) or Style Z (Class A) supervised audible-visual alarm indicating circuits, and may be expanded to eight circuits. The module can also provide four Style Y releasing circuits.

Each circuit may be field programmed to respond to a single initiating zone, a group of zones, or all initiating zones. Outputs are Non-Coded or March Time Code outputs (field programmable).

The indicating circuits are power limited and may be connected using UL listed limited energy cable.

**Description**

The ICM-4 consists of a panel mounted printed circuit card with an integral tactile feel membrane switch. Windows in the membrane panel allow viewing the alarm and trouble LEDs. Slide in pockets allow the insertion of descriptive labels for the zones. (Module windows are 0.875 inches high by 0.975 inches wide) Removable terminal blocks are provided for connection of field wiring.

Each ICM-4 provides four supervised audio-visual alarm indicating circuits. The ICM-4 may be expanded with one of the following:

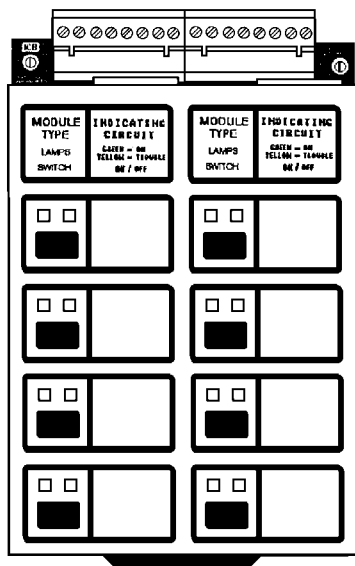
- Use the ICE-4 to provide four additional Style Y or Style Z supervised alarm indicating circuits.
- Use the CRE-4 to provide four SPDT control relays.

The ICE-4 consists of a printed circuit card which mounts behind the ICM-4 with hardware provided. Removable field wiring terminal blocks are included with the ICE-4.

**Technical Information**

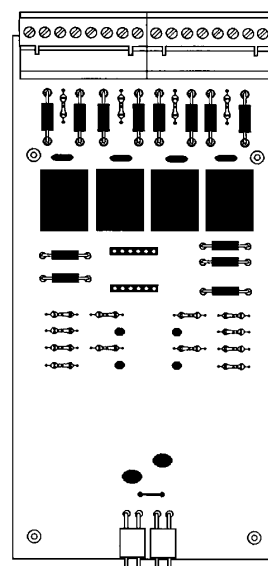
The ICE-4 expander (if used) is mounted to the back of the ICM-4 with included hardware. The ICM-4 mounts in one module position of a CHS-4 Chassis using two captive screws. The first Row or Expander Ribbon cable connects the ICM-4 to the CPU. An auxiliary bell power harness is provided with each ICM-4 and ICE-4 for connections to the main power supply or an optional APS-6R power supply.

Maximum current per module: . . . . . 6.0 amps  
 Maximum current per circuit: . . . . . 3.0 amps  
 End of line device: . . . . . 4.7 K ohm, 1/2 watt resistor, for Style Y configuration



001628

INDICATING CIRCUIT MODULE (ICM-4)



001629

INDICATING CIRCUIT EXPANDER (ICE-4)

Current Consumption:

	<u>STANDBY</u>	<u>ALARM</u>
ICM-4 . . . . .	0.007 amps	0.072 amps
ICE-4 . . . . .	0.001 amps	0.065 amps

**Note:** Each ICM-4 or ICE-4 may be powered from two separate power supplies. Use one APS-6R to provide a total alarm current per module or expander of 6.0 amps with a maximum current per circuit of 3.0 amps.

**Listings and Approvals\***

- UL . . . . . S635
- ULC . . . . . CS68
- ▶ Factory Mutual (FM) . . . . . Approved
- California State Fire Marshal (CSFM) . . . . . 7165-028:144
- MEA . . . . . 578-81-SA

▶ \*Listings and Approvals are under NOTIFIER

**Ordering Information**

Part No.	Description	Shipping Weight	
		lb.	(kg.)
419563	ICM-4 Indicating Circuit Module	2.0	(0.9)
419564	ICE-4 Indicating Circuit Expander Module	2.0	(0.9)
419586	CHS-4 Chassis	9.0	(4.1)
419640	EOL Supervisory Device, REL 4.7K	0.5	(0.3)
426513	APS-6R Power Supply	2.0	(0.9)

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