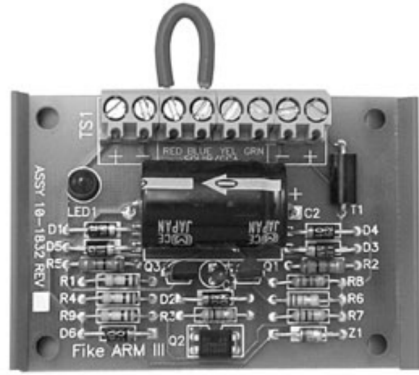


## AGENT RELEASE MODULE (ARM III)



### Description

The Agent Releasing Module (ARM) provides the primary interface between the supervised releasing circuit(s) of a Fike releasing control panel and the gas cartridge actuator (GCA), which is used to open the container valve resulting in the release of the fire suppressant agent from the container.

The ARM is equipped with a capacitor that receives a constant 24 VDC charging current from the releasing circuit of the control panel. Upon activation of the releasing circuit, the circuit's output voltage polarity is reversed, causing the stored energy in the capacitor to be released to the connected GCA resulting in device activation.

Each ARM is equipped with a red LED, which when illuminated provides positive indication that the module is in the active (discharge) state or if the field wiring has been installed incorrectly. The ARM is compatible with Class A or Class B wiring.

The ARM supervises the wiring of the GCA by monitoring the output circuit's current draw. Should a break or other condition causing low impedance in the wiring occur, the ARM's supervision current draw from the output circuit will increase. The panel detects the increase in current and creates a "Trouble" condition.

### Specifications

Current Consumption	+24V Supervisory 21.0 ma (during capacitor charging) 2.0 ma (after capacitor is charged) -24V Activated -8.0 ma (LED active)
Temperature	32 to 120°F (0 to 49°C) 93% max. humidity
Module Wiring	Control panel to ARM connections are supervised and power-limited GCA connection to the ARM is supervised and power-limited
Compatible Actuation Devices	70-1651, Gas Cartridge Actuator (GCA)*
Compatible Releasing Panels**	SHP PRO®, Cheetah® Xi, Cheetah® Xi 50
Mounting	4" square x 2.125" deep standard electrical box with 2-gang cover plate (supplied by others)

\* In the past, the following initiator assemblies were used with the ARM; however, the use of these initiators is no longer approved and they should be replaced with the GCA.

70-1058 Initiator Assembly (E106 type)

70-1336 Initiator Assembly (EA-1 type)

\*\*A maximum of six ARM's, wired in parallel, can be connected to each panel's releasing circuit or releasing module

### Approvals

Underwriters Laboratories (UL)

Factory Mutual (FM)

California State Fire Marshal (CSFM)

New York Certificate of Approval (COA)

*For exact certification listings, please reference the respective agency web site.*

### Ordering

Part Number	Description
10-1832	ARM PCB Assembly
02-2046	Snap Track Mounting
02-12303	ARM Mounting Kit
02-3799	Flash bulbs (12ea. per box)

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