**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 circuits 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 where 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**

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<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>10-1832</td>
<td>ARM PCB Assembly</td>
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<tr>
<td>02-2046</td>
<td>Snap Track Mounting</td>
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<tr>
<td>02-12303</td>
<td>ARM Mounting Kit</td>
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<td>02-3799</td>
<td>Flash bulbs (12ea. per box)</td>
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