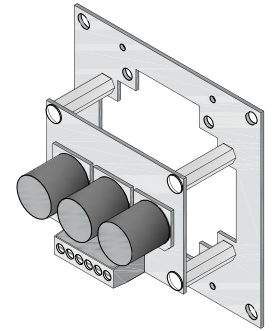


IMPULSE RELEASE MODULE

DESCRIPTION

The Impulse Releasing Module (P/N 10-2748) provides the primary interface between the supervised releasing circuit(s) of a Fike fire suppression system and the Impulse Valve Operator (IVO); which is used to release the fire suppressant agent from an impulse valve container. The IRM is equipped with three capacitors that receive a constant charging current from the releasing circuit of the control panel. When fully charged, the module is capable of firing a single IVO. Upon circuit activation, the output circuit reverses its output voltage polarity, causing the energy in the capacitors to be released to the Impulse Valve Operator. Each IRM is equipped with a red LED to provide positive indication that the module is in the active (release) state.



SPECIFICATIONS

Current Consumption:	+24V Supervisory: 20.0 ma (during capacitor charging) 3.0 ma (after capacitor is charged)
	-24V Activated: -37.0 ma (LED active)
Temperature:	0° to 54.4°C, 93% maximum humidity
Module Wiring:	Control panel to IRM connections are supervised and power-limited Impulse Valve Operator (IVO) connection is non-supervised and power-limited
Compatible Actuation Devices:	02-12728, Impulse Valve Operator (IVO)
Compatible Releasing Panels:	SHP PRO, Cheetah Xi, Cheetah Xi 50 (Note: A maximum of six IRM's, wired in parallel, can be connected to each panel's releasing circuit.)

APPROVALS:

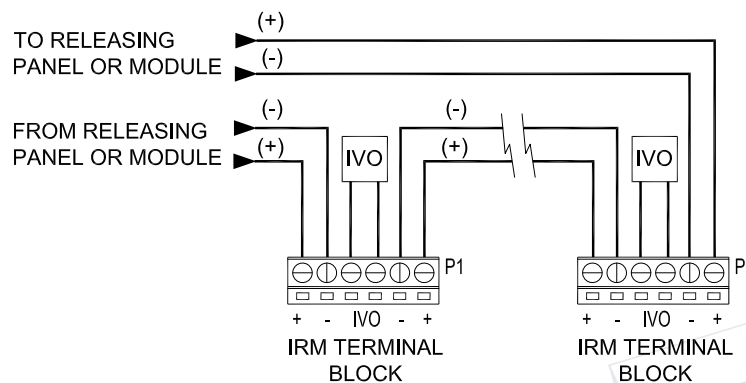
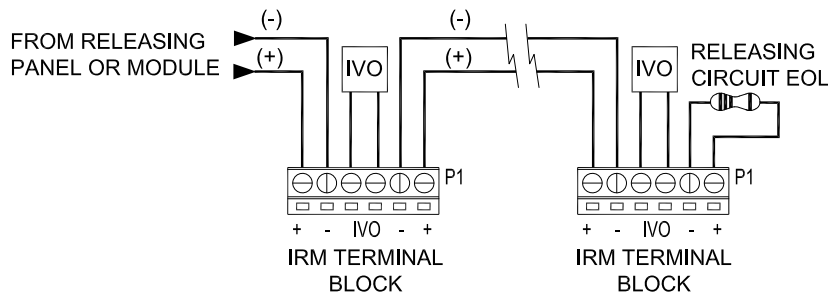
- UL Listed - S3217
- FM Approved - 3038320
 - Cheetah Xi
 - Cheetah Xi 50
 - SHP PRO
- CSFM - pending
- MEA - pending



INSTALLATION

Each Clean Agent container shall be provided with a Fike P/N 10-2748 Impulse Release Module (IRM). The IRM shall be located at each container and shall be securely mounted in a standard 4" square x 2-1/8" deep UL Listed electrical box. Install conduit and releasing circuit wiring in accordance with the project drawings and appropriate wiring diagrams. All wiring must conform to the requirements of NFPA 70 – National Electric Code, NFPA 72 – National Fire Alarm Code, NFPA 2001 - Standard on Clean Agent Fire Extinguishing Systems, and the requirements of the Local Authority Having Jurisdiction.

WIRING DIAGRAMS



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