

IMPULSE VALVE OPERATOR SUPERVISOR (IVOS)

FEATURES

The Impulse Valve Operator Supervisor (P/N 02-14263) provides the means to secure and electrically supervise the connection of an electric actuator or pneumatic operator to the discharge valve on an Impulse Valve container. The IVOS has a built-in Form-C push-button switch that supervises the connection of the electric actuator or pneumatic actuator to the containers discharge valve. Removal of the IVOS from the discharge valve will trigger the IVOS switch causing a visual and audible “Trouble or Supervisory” indication at the control panel signalling that the container’s actuator has been removed.



ORDERING INFORMATION

The IVOS can be ordered separately or it can be ordered as part of the following kits.

SPECIFICATION

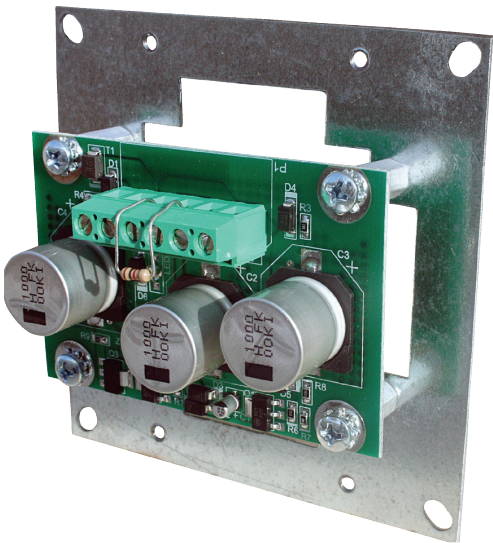
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|------------------------------|--|
| Current Consumption | +24V Supervisory: 20.0 ma (during capacitor charging), 3.0 ma (after capacitor is charged) -24V Activated: -37.0 ma (LED active) |
| Temperature | 32°F to 130°F (0° to 54.4°C), 93% maximum humidity |
| Module Wiring | Control panel to IRM connections are supervised and power-limited. Impulse Valve Operator connection is non-supervised and power-limited |
| Compatible Actuation Devices | NF-02-12728, Impulse Valve Operator (IVO) |
| Compatible Releasing Panels | NAFFCO Single Hazard Panel* |

| Component P/N | Description |
|-------------------------|--|
| IVO Kit (P/N NF-70-279) | |
| NF-02-12728 | Impulse Valve Operator (IVO) |
| 02-14263 | Impulse Valve Operator Supervisor (IVOS) |
| NF-10-2748 | Impulse Releasing Module (IRM) |
| 02-2213 | Security Ties |

IMPULSE RELEASE MODULE

FEATURES

- The Impulse Releasing Module provides the primary interface between the supervised releasing circuit(s) of a NAFFCO 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.



SPECIFICATION

| | |
|------------------------------|--|
| Model | NF-10-2748 |
| 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 | 32°F to 130°F (0° to 54.4°C), 93% maximum humidity |
| Module Wiring | Control panel to IRM connections are supervised and power-limited Impulse Valve Operator connection is non-supervised and power-limited |
| Compatible Actuation Devices | NF-02-12728, Impulse Valve Operator (IVO) |
| Compatible Releasing Panels | NAFFCO Single Hazard Panel* |

*Note: A maximum of six IRM's, wired in parallel, can be connected to each panel's releasing circuit.