

Supervised Output Modules (Class A Wiring)

VF6040-00 and VF6041-00 (with Short Circuit Isolator)



VF6040

VF6041

Standard Features

- Built-in SCI circuitry (VF6041-00 only)
- Flexible application
- Quick response to emergency conditions
- Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
- Contacts are rated 2.0 Amps @ 24VDC
- Programming is highly flexible providing 16 priority states plus zoning capability
- Programmed device output is turned off, silenced, or programmed to output the selected pattern

Operation

The Class A Supervised Output Modules (DCP-SOM-A and SOM-AI) have been designed to provide application flexibility and quick response to emergency conditions.

Flexibility is provided by a wide range of operating modes, including supporting multi-zone operations, and/ or functions, up to 16 different modulation patterns and multi-state programming. The operating parameters for the DCP-SOM-A and -AI are maintained by the module and do not require individual communication with the control system during emergency conditions to operate.

The control panel simply broadcasts system conditions on the Signaling Line Circuit (SLC) and the DCP-SOM-A and -AI modules do the rest based upon the custom configuration. Each DCP-SOM-A and -AI provides a single Class B or Class A circuit rated for 2.0 Amps @ 24 VDC. Each DCP-SOM-A and -AI also requires a 24 VDC power source in addition to the SLC.

Technical Specifications

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| Supply Voltage Nominal | 25.3-39 VDC |
| Auxiliary Supply Voltage | 24 VDC |
| Average Current Consumption | VF6040 420 μ A (Typical) VF6041 220 μ A (Typical) On S-SC Line Maximum 6mA (Alarm) |
| Current Consumption on Auxiliary Power Lines | 50 μ A (typical) |
| SCI on Resistance | 40 ohm max (normal condition) |
| SCI Fault Detection Threshold | 12 Volts (typical) |
| SCI Isolation Current (short circuit condition) | 10mA (typical) |
| Maximum Quantity per Loop | 127 |
| Mounting | 4" Square Electrical Box |
| Maximum Humidity | up to 90%, non-condensing |
| UL Ambient Installation Temperature Range | 32° F to 120° F |
| Dimensions | 4.2" W x 4.7" H x 1.4" D |

