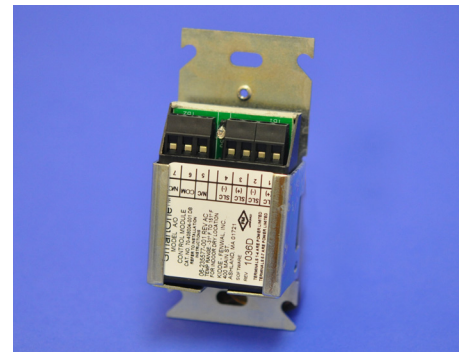


SmartOne® Addressable Relay Output Device

K-76-018

FEATURES

- Full-Digital Communications
- Addressable Control Point
- Unpowered, SPDT Relay Contacts
- Control-by-Event And/or By Time Operation
- Status Indicator
- Unique Internal Supervision
- UL Listed
- FM Approved
- CSFM Approved



DESCRIPTION

The SmartOne® Addressable Relay Output Device (AO) is an addressable output module for control of auxiliary equipment such as air handlers, door release and elevator recall.

The AO connects directly to a compatible control unit's Signaling Line Circuit (SLC) and contains a SPDT relay to control auxiliary equipment. All of the electronics are contained in a small high-impact polymer case. This creates a small and durable device for installation. A silicone-free module is available for applications where silicone is not desired. The AO can be mounted in a North American 1-1/2-in. (64 mm) deep 1-gang box, or standard 4-in. square box 1-1/2-in. (38 mm) deep with a cover.

FIELD PROGRAMMING

The AO is field programmable with a unique 3-digit address and a 40-character owner location message. The AO relay may be set or reset on command from the control unit. In addition to combi-national-logic programming that utilizes system inputs (i.e., events) to activate this device, the unit may be programmed for real-time clock operation. The real-time clock programming permits the AO to be activated and deactivated by the time of day, calendar date and day of the week.

SUPERVISION

The AO is continuously monitored for:

- Internal power supply voltages
- Faulty entering of data into AO's memory
- Relay state equals command state

An internal set of relay contacts provides a feedback signal that confirms the activation of the addressable relay output. If the relay fails to operate at the appropriate time, the device transmits a trouble report for display by the control unit.

STATUS LED

A status LED is mounted on the unit.

ORDERING INFORMATION

AO Control Module	70-408004-001
AO Control Module, non-silicone	70-408014-001

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SPECIFICATIONS

Input Voltage:	24 VDC (nominal)
Standby Current:	500 μ A, Typical
Alarm Current:	500 μ A, Typical
Contact Ratings:	
Resistive:	2 A @ 30 VDC
Inductive (Motor Control):	1.0 A @ 30 VDC, 0.60 PF 0.6 A @ 120 VAC, 0.35 PF
Pilot Duty:	0.6 A @ 30 VDC, 0.35 PF
Operating Environment:	-31 to 151°F (-35 to 66°C) at 0 to 95% RH
EMI Immunity:	Meets UL 864
LED Pulse Modes:	
Normal:	9 second interval
Trouble:	LED is off
Alarm:	2 second interval
Wire Sizes:	14, 16, 18 AWG Acceptable
Dimensions:	2.3" x 1.8" x 0.8" nominal
Shipping Weight:	5.1 oz (145 g)

COMPATIBLE CONTROL UNITS

Fire Alarm Control Unit (FACU) Type	Current Product	Legacy Product
Single Loop	ARIES®-SLX	ARIES FenwalNET™ 6000 PEGAsys™ * FenwalNET 2000 *
Multiple Loop	ARIES®-MLX	ARIES NETLink FenwalNET 8000-ML PEGAsys * FenwalNET 2000 *

* FACUs running software revision 82.4 are compatibility-tested but not agency listed with the device(s) in this data sheet.