

Addressable Relay Output Device

74-215

SmartOne™

FEATURES

- **FORM C DRY CONTACT OUTPUT**
- **FIELD PROGRAMMABLE**
- **TIME CLOCK CONTROL OPTION**
- **INTERNAL SUPERVISION**
- **STATUS INDICATOR**
- **UL LISTED**
- **FM APPROVED**

DESCRIPTION

The **SmartOne™** Addressable Relay Output Device (AO) provides an interface for control of auxiliary equipment by Control Panels designed for **SmartOne™** devices.

The AO connects directly to the Control Panel's RX/TX PC Line and contains a SPDT relay to control auxiliary equipment. All of the electronics are contained in a small high impact polymer case. This creating a very small and durable device for installation. These features also allow the AO to be easily installed in virtually all applications.

The AO is field programmable with a unique 4-digit address and a 40-character owner location message. On command from the Control Panel the AO relay may be set or reset.

In addition to combinational logic programming which utilizes system inputs to activate this device, the unit may be programmed with the Real Time Clock programming. The Real Time Clock programming permits the AO to be time controlled by the time-of-day, date, and day of week.

INTERNAL 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 feedback of the Form C output relay position. If the relay contact fails to operate at the appropriate time, the device transmits a Trouble status.

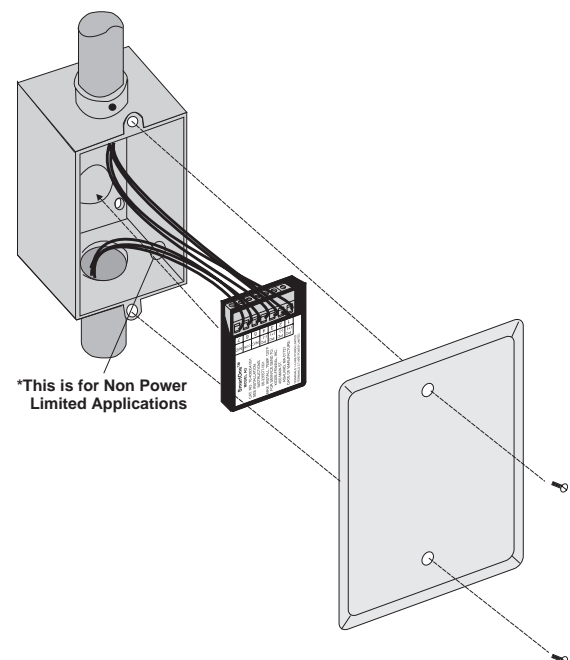


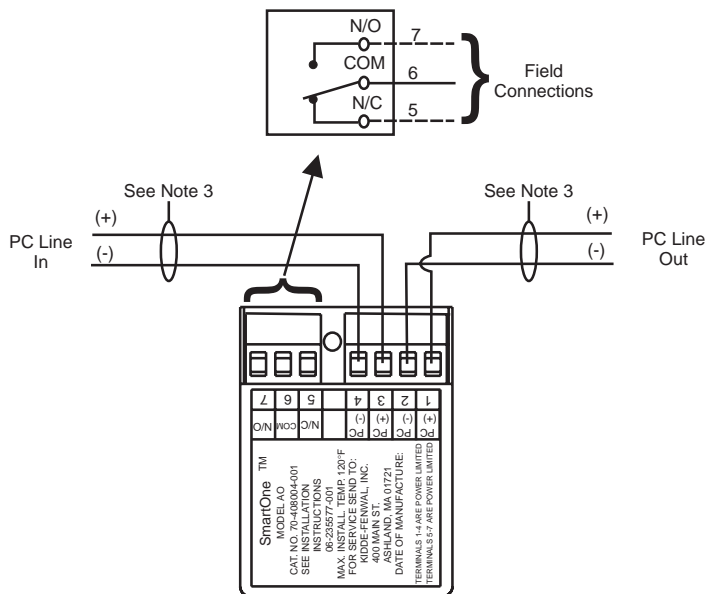
STATUS LED

A status LED is mounted on the unit and indicates the relay set or reset status by a 2 or 9 second flash interval. A Trouble condition inhibits the status LED completely.

INSTALLATION

The AO can be mounted in a North American 1-1/2" (64 mm) deep 1-gang box, or standard 4" square box 1-1/2" (38 mm) deep with a cover. The terminal block will accept #14, 16 and 18 AWG wire (1.5 mm², 1.0 mm², 0.75 mm²). Sizes #16 and #18 are preferred.





NOTES

1. Max. #14 AWG (1.5 mm²) wire:
Min. #18 AWG (0.75 mm²) wire
2. Refer to Control Panel Manual for wiring specification.

SPECIFICATIONS

Input Voltage:	16.5 - 27.5 VDC
Standby Current:	400 μA, Typical
Alarm Current:	400 μA, Typical
Contact Ratings:	
Resistive Contact Rating:	2 A @ 30 VDC, 0.6 PF
Form C (SPDT)	.6A @ 120 VAC, 0.35 PF
Inductive Rating:	1.0A @ 30 VDC, 0.6 PF
(Motor Control)	
Pilot Duty:	0.6A @ 30 VDC, 0.35 PF
Max. No. Of Devices per Channel:	255
	(all can be activated)
Max. No. Of Devices per System:	2040
	(all can be activated)
Operating Temperature:	-31 - 151°F (-35 - 66°C)
EMI Immunity:	Meets UL 864
Dimensions:	2.3" x 1.8" x 0.8" nominal
Shipping Weight:	5.1 oz (145g)
LED Pulse Modes:	
Normal:	9 second interval
Trouble:	LED is off
Alarm:	2 second interval

ORDERING INFORMATION

Part Number	Description
70-408004-001	Addressable Relay Output

ARCHITECTURAL/ENGINEERING SPECIFICATIONS

For specifications request a copy of the Architectural/Engineering Specification Disk: Available from Kidde-Fenwal Marketing Dept., on IBM formatted diskette. This disk includes files in ASCII Text, Word for Windows 6.0 and WordPerfect 5.X formats.

SmartOne™

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If you need more information on this product, or if you have a question, contact KIDDE-FENWAL, INC., Ashland, MA 01721. (508) 881-2000.