	Project :	F4WD
	Project Number :	HI39700

SBM OFFSHORE

		P.O. Nr.	CDR Code	Seq.	Rev.	
SBM Document Number	:	001 . 39700 . 000XXX	AK	003	- 00	
SBM CDR Description	:	Equipment Index & Data Sheets				

This document is part of VDB : VDB2

Supplier	:	KIDDE CHINA LIMITED
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Kidde United Technologies

Package Description	:	Gaseous Fire Fighting System Package
Vendor P.O. Reference	:	
Vendor Document Number	:	KD-1802-AK-003
Vendor Document Revision	:	0
Document Title	:	Equipment Index &Data Sheets For Addressable Contact Input Device
Total Pages (incl. front page)	:	2
Applicable Tag Number(s)	:	

Notes _____

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Addressable Contact Input Device

SmartOne®

FEATURES

- **Monitors N.O. or N.C/ Unpowered Contacts**
- **Full Digital Communications**
- **Class B Initiating Device Circuit**
- **Remote-led Output**
- **Alarm Test from Control Unit Keypad**
- **UL Listed #S3743**
- **FM Approved #ODA9AY**
- **CSFM #7300-1076:144**

DESCRIPTION

The SmartOne® Addressable Contact Input Device (AI) is an intelligent field device with its own microprocessor, memory and electronics necessary to interface N.O. or N.C. unpowered contacts to the FenwalNET control units. All of the electronics are contained in a high-impact polymer case, creating a very small and durable device for installation.

Two types of AI's are available: an AI/NC for interfacing to normally-closed devices and an AI/NO for interfacing to normally-open devices. The AI may be located up to 2,500 feet from the monitored device with #18 AWG wiring. An end-of-line-resistor is required for supervision of the wiring to the device.

FIELD PROGRAMMING

System address, owner location message and reporting type are programmable via the compatible control unit configuration software program.

The System address is a 4-digit number that uniquely identifies each device. The owner location message is a 40-character, alpha numeric message that describes the location of the device. The reporting type is assigned to the AI depending on the functionality of the device being monitored.
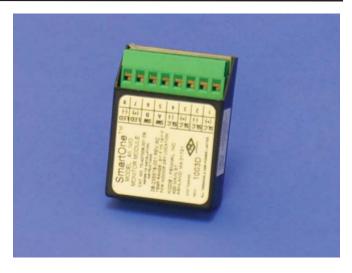
SUPERVISION

The AI continuously monitors the integrity of the following:

- Continuity of supervised wiring
- Power/Communications circuit voltage
- Internal power supply
- Memory data
- Faulty entering of data into AI memory

STATUS LED

A remote status LED may be connected to the AI.

ALARM TEST

Any or all AIs can be tested by command from the compatible control unit. Results of the test may be printed out at the system printer.

SPECIFICATIONS

Input Voltage:

- 16.5 - 27.5 VDC

Standby Current:

- 450 mA Max

Alarm Current:

- 450 mA Max

Operating Temperature:

- -31 - 151°F (-35 -66°C) 0 - 95% RH

LED PULSE MODES

Normal:

- 9 second interval

Trouble:

- LED is off

Alarm:

- 2 second interval

Acceptable Wire Size:

- 14, 16, 18 AWG

Installation:

- The AI can be mounted in a North American 2-1/2-in. (64 mm) deep, 1-gang box, or standard 4-in. square box,1-1/2-in. (38 mm) deep with cover.