DT2063N-ISOKIT

ARITECH [10 pack], 2000 Series addressable heat detector with isolator base

General

The DP2061N-ISOKIT pairs the popular 2000 series protocol addressable heat detector with an isolator base. The detector is certified to EN54 heat class A2 and includes a rate-of-rise algorithm that allows the device to raise the alarm before the fixed temperature trigger point is reached. Dual fire LEDs indicate an alarm visible from all directions, eliminating the need for special detector orientation on installation, whilst a remote indicator output is provided as standard on every device.

The short circuit isolator incorporated in the base protects the integrity of the addressable loop in the case of an overload or short-circuit on part of the loop.

Installation Friendly

The DT2063N is individually identified by setting an address through two rotary switches. The address is a straight numerical value and does not require binary or hexadecimal conversions, significantly reducing the risk of incorrect addressing.

For special applications, the fixed temperature trigger level of the DT2063N may be set at the CIE to accommodate higher activation temperatures.

Loop Isolation

The DB2016 isolator base senses and isolates overload and short circuit faults on a 2000 series fire detector loop. A yellow LED on the device indicates an isolation condition.

In the event of a single short circuit, the detector connected to the DB2016 continues to operate normally. The the entire loop circuit is not lost as only the effected part of the loop between two isolators are removed (isolated) from the circuit.

State of the Art Communication

Panel to device communication is provided through a powerful SIA protocol featuring multiple bus cycle codes and CRC error checking and ensuring reliable communications between the device and the control panel.

This enhanced protocol ensures the overall integrity and error free operation of the full system, without compromising speed.



Détails

- Dual thermistor heat detector with isolator
- Remote signaling capabilities
- Easy numeric addressing (1-128)
- Enhanced communication protocol
- Full diagnostic self testing
- EN54:5 and EN54:17 approved and CPR certified

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Spécifications techniques

Général

Indication d'état	Dual red alarm LED, isolated yellow LED
Interface utilisateur	LED's
Compatibilité	Aritech 2000 series systems
Niveaux d’alarme	5
Connectivité	2000 Series bases
Méthode d'adressage	Rotary switch

Électrique

Type de bloc d’alimentation	Alimenté en boucle
Tension de fonctionnement	17 to 28 VDC
Consommation de courant	< 300 µA (quiescent at 24 VDC) 4.7 mA (alarm at 24 VDC) < 2 mA (isolated)
Nbre de fils conducteur	2
Bornes	5

Détection

Principe de détection	Heat
Contrôle	Alarm threshold, Short circuit
Sensibilité	Configurable
Zone de couverture	<80 m²
Vitesse d'air	Unaffected
Alarme température	> +40°C
Taux de croissance	Class A2

Sortie

Quantité des sorties	1
Type de sortie et classe	Remote indicator
Programmable	No
Remote alarm output	4.7 mA

Isolation

Type	Negative line break
Tension d’isolation	14 V
Reconnecter la tension	14.5 V
Interrupteur de courant	800 mA (max)
Types de résistance	0.1Ω

Caractéristiques physiques

Dimensions physiques	101 x 63.5 mm (Ø x H)
Poids net	132 g
Couleur	Cloud white (RAL 9001)
Type de montage	Montage au plafond
Entrées de câble	1
Matériel (boîte)	Plastique

Environnement

Protégé contre le vandalisme	Non
Température de fonctionnement	−10 to +50ºC
Température de stockage	-10 to +70°C
Température ambiante	+25°C
Humidité relative	10 to 95% non-condensing
Environnement	Intérieur
Indice de protection	IP20

Régulateur

Conformité	CE, REACH, RoHS 3, WEEE
Certification	CPR
Normes	EN54-5, EN54-17

Produits compatibles

Catégorie	Référence	Description
Module de notification	AI672	Indicateur d'action lumineux
Module de notification	AI673	Indicateur d'action lumineux et sonore

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