IU2055NC

Aritech 2000 Series conventional zone monitor unit

Product overview

The IU2055NC is and addressable, 2000 Series two-wire zone monitor designed to provide an interface between conventional fire detectors and an addressable 2000 series protocol fire alarm control panel. The IU2055NC enables the addressable panel to monitor the presence and operation of up to 30 conventional detectors in standard or up to 20 in intrinsically safe configurations.

Application

The IU2055NC allows for the upgrade and inclusion of an existing or new conventional fire zone into and addressable detection loop. It supervises the conventional zone circuit for open and short circuits and monitors it for alarm conditions. Any abnormal conditions are reported to the control panel and are indicated on the IU2055NC with a yellow LED. The unit supports alarm verification and CleanMe™. It resets by cycling power to the zone circuit as directed by the fire panel.

Operation

The IU2055NC is connected to the panel via a two wire communication loop that provides power and carries control and input data. The module address is easily set with two rotary switches. The address setting is non-volatile and will not be lost in the event of a power failure.

The 2000 series conventional zone monitor utilizes an advanced digital data communications protocol that ensures the integrity of the data communication with extensive error correction algorithms.



Détails

- Monitors up to 30 standard conventional or up to 20 intrinsically safe conventional detectors
- Zone supervised for open and short circuits
- Supports alarm verification and CleanMe™ functions
- Loop powered
- Easy numeric addressing
- Supports standard and intrinsically safe applications
- CE/CPR certified to EN54:18

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Spécifications techniques

Général

Indication d'état	Alarm LED, Fault LED
Compatibilité	Aritech 2000 Series systems
Méthode d'adressage	Rotary switch
Plage d’adresses	1 to 128

Électrique

Tension de fonctionnement	21 to 28 VDC (loop) 17.5 to 18.5 VDC (zone)
Consommation de courant	<15 mA (standby) <40 mA (alarm) <3.6 mA (remote indicator)

Entrée

Quantité entrée	1
Type d'entrée et classe	Supervised, 19.4 mA max.
États d'entrée	Active, Normale, Open, Short
Surveillance tension	17.5 to 18.5 VDC
Résistance de terminaison	3.9 kΩ, ¼ W, 5%

Sortie

Quantité des sorties	1 (remote indicator)
Type de sortie et classe	Unsupervised, 3.6 mA

Caractéristiques physiques

Dimensions physiques	175 x 124 x 51 mm
Poids net	325 g
Couleur	Blanc
Type de montage	Fixation murale
Entrées de câble	1
Matériel	Plastique
Spécification du câble	J-Y(ST)Y 2x2x0,8 rt, EB CY (TP) 2x2x0,75, KAL21A, KAL21B, KAL51A, KAL51B, KAL61A

Environnement

Protégé contre le vandalisme	No
Température de fonctionnement	−10 to +55°C
Température de stockage	−20 to +60ºC
Humidité relative	10 to 95% noncondensing
Environnement	Intérieur, IS
Indice de protection	IP40

Régulateur

Conformité	CE, REACH, RoHS 3, WEEE
Certification	CPR
Normes	EN54-18

Input

Zone resistance - normal mode	<40 Ohm
Zone resistance - intrinsic safe mode	<26 Ohm

Produits compatibles

Catégorie	Référence	Description
Module d'interface	IO2034NC	2000 Series IO Unit 4 In / 4 Out
Module d'interface	IU2050NC	
Module d'interface	IU2080NC	
Module de détection	ISM-95	2000/900 Series Isolator Module w/ CPD Housing

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