IU2080NC

Aritech 2000 Series addressable 1 output unit

Product overview

The IU2080NC is an intelligent 2000 series, addressable supervised output unit designed for efficient control of notification devices or any ancillary equipment that requires supervision. It is compatible with all fire alarm control panels that support the 2000 series protocol. The high output power available from the IU2080NC ensures meeting most requirements for signalling devices in any fire alarm system.

Operation

The IU2080NC utilizes an advanced digital data communications protocol that ensures the integrity of the data communication with extensive error correction algorithms. It ensures system reliability with continuous supervision and monitoring of the output circuit for open or short circuit conditions, as well as monitoring of the input auxiliary power supply for low voltage or fault conditions. The output circuit supports a continuous or pulsing output that significantly simplifies meeting requirements for differentiation of audible alarms for different alarm circumstances.

Installation

The IU2080NC loop address is set with a simple decimal rotary dial and is non-volatile - the address is not lost in the event of a power outage. The module is simply connected to a compatible fire alarm panel via a two-wire device communication loop that carries both data and operating power to the module. The indicating circuit is powered via a auxiliary power supply.

Programmability

The operation of the IU2080NC is fully configurable from the CIE (control panel) allowing for powerful and extremely flexible output configuration capabilities.



Détails

- Versatile, addressable control for notification equipment
- Supervised output circuit with open and short circuit monitoring
- Programmable output with continuous and intermittent functions
- Notification circuit load supplied from an external supply does not load the detection loop
- External supply supervision warns when the supply voltage is low
- Easy decimal numeric addressing avoids address calculation errors and saves installation time
- EN54:18 approved and CPR certified

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Spécifications techniques

Général

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

Électrique

Type de bloc d’alimentation	24 VDC, Alimenté en boucle
Tension de fonctionnement	Fire panel loop: 17 to 28 VDC External supply: 20.1 to 28 VDC, Low voltage detection < 19.7 VDC
Consommation de courant	Fire panel loop: (standby) <250 µA, <200 µA (typical) Fire panel loop: (active) <3.5 mA External supply: (min) 100 mA External supply: (max) <3 A @ 20°C / <2.04 A @ 55°C

Sortie

Quantité des sorties	1
Type de sortie et classe	Supervised
Surveillance tension	1.7 VDC, inverted
Résistance de terminaison	10 kΩ, 5%, ¼ W

Caractéristiques physiques

Dimensions physiques	175 x 124 x 51 mm
Poids net	325 g
Couleur	Blanc
Type de montage	Montage en surface
Entrées de câble	1
Matériel	Plastique

Environnement

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

Régulateur

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

Output

Short circuit @ 24 VDC	<4.5 kΩ
Standby @ 24 VDC	<5.5 to 16 kΩ
Open circuit	>20 kΩ
No load current consumption (standby):	<11 mA @ 24 VDC, <12 mA @ 28 VDC
No load current consumption (active):	<69 mA @ 24 VDC, <70 mA @ 28 VDC

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