

IU2055NC

2000 Series IO Unit - ZMU

General

The IU2055NC is an 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 an 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.



Details

- 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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Technical specifications

General

Indicación de estado	Fault LED
Compatibilidad	2000 Series Systems

Eléctrico

Voltaje de funcionamiento	21 to 28 VDC (Loop) 17.5 to 18.5 VDC (Zone)
Consumo de corriente	< 15 mA (Standby) < 40 mA (Alarm) < 3.6 mA (Remote Indicator)

Entrada

Cantidad de entradas	1
Ratio y tipo de entrada	Supervised - 19.4 mA max.
Voltaje de supervisión	17.5 to 18.5 VDC
Terminación	3.9 k Ω , ¼ W, 5%

Salida

Cantidad de salidas	1 (Remote indicator)
Ratio y tipo de salida	Unsupervised, 3.6 mA

Físico

Dimensiones físicas	175 x 124 x 51 mm
Peso neto	325 g
Color	Blanco
Tipo de Montaje	Montaje en pared
Entradas de cable	1
Material	Plástico
Cable specification	J-Y(ST)Y 2x2x0,8 rt, EB CY (TP) 2x2x0,75, KAL21A, KAL21B, KAL51A, KAL51B, KAL61A

Medioambiental

Antivandálico	No
Temperatura de funcionamiento	-10 to +55°C
Temperatura de almacenamiento	-20 to +60°C
Humedad relativa	10 to 95% noncondensing
Entorno	Interior, IS
Clasificación IP	IP40

Estándares y regulaciones

Cumplimiento	CE, REACH, RoHS 2
Certificación	EN54-18

Input

Zone Resistance - Normal mode	< 40 Ohm
Zone Resistance - Intrinsic safe mode	< 26 Ohm



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