



Product Data Sheet

IU2050C

2000 Series Addressable Single Input Module (CPD Approved)

General

The IU2050C is a 2000 series addressable single input unit with selectable line supervision to monitor normally open or normally closed contacts. The unit is loop powered and supplied in an enclosure for surface mounting applications.

The 2000 series loop powered input/output modules are designed to provide unlimited applications to input monitoring and output switching. These modules combined with the powerful features of the 1200/2000 series fire panels gives the user total versatility for all applications.

Applications

The addressability of the IU2050C allows the identification of the exact location of the switch activation. It may be used with applications requiring fast response such as conventional manual call points, door monitors etc. where a change of state needs to be reported within 3 seconds. Alternatively it can be used in any application where a point needs to be made addressable and supervised on the fire panel.

Installation

The IU2050C is connected to the 1200/2000 series panels via a two-wire communication loop that provides power and control data. The single input module address is conveniently set with rotary switches. The address setting is non-volatile and will not be lost in the event of a power failure.

The single input module utilizes an advanced digital data communications protocol that ensures the integrity of the data communications with extensive error correction algorithms.



Standard Features

- Loop powered
- Programmable input state
- Easy numeric addressing
- EN54 and CPD certified

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Specifications

Electrical

Operating voltage	17 to 28 VDC
Voltage modulation	4 to 10 V
Current - quiescent	< 250 μ A
Current - active	270 μ A
EOL resistor	150 KOhm, 1/4 W, 5%

Cable lenght to contact < 10 m

Environmental

Storage temperature	-20 to +60°C
Operating temperature	-5 to +55°C
Operating humidity (Non-condensing)	10 to 95%

Physical

Dimensions (l x w x h)	120 × 85 × 35 mm
Weight	130 g
IP Rating	IP40

Ordering Information

Part No.	Description
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