

IU2080C

2000 Series Addressable Supervised Output Controller

General

The IU2080C is an intelligent 2000 series, addressable supervised output unit designed for efficient control of notification devices or any control that required additional supervision. It is compatible with all fire alarm control panels that support the 2000 series protocol. The output power available from the IU2080C ensures meeting most requirements for signalling devices in any fire alarm system.

Operation

The IU2080C 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 circumstances.

Installation

The IU2080C is connected to the compatible fire alarm panels via a two-wire communication loop that carries control data to the module. The indicating circuit is powered via a auxiliary power supply. The module address is set with a simple rotary switch and is therefore non-volatile and will not be lost in the event of a power outage. The IU2080C utilizes an advanced digital data communications protocol that ensures the integrity of the data communication with extensive error correction algorithms.

Programmability

The operation of the IU2080C is fully configurable from the CIE (control panel) allowing for powerful output configuration capabilities.



Standard Features

- Versatile, addressable control for notification equipment
- Supervised output circuit
- Programmable output
- Circuit load supplied from external supply
- Easy numeric addressing
- EN54 and CPR certified

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Specifications

Electrical (from the loop)

Operating voltage	17 - 28 V
Standby current	< 350 μ A, <200 μ A typical
Alarm current (max)	< 3.5 mA

Electrical (from external Supply)

Supply voltage	24 VDC
Low voltage detection	< 20.4 V
Standby current	< 11 mA @ 24 VDC
Alarm current (excl. circuit load)	< 72 mA @ 24 VDC

Output Specification

End-of-line resistor	10 K, 1/4W, 5%
Supervisory voltage	2.2 VDC, inverted
Alarm voltage	24 VDC
Alarm current (max)	3 A

Housing

Size (l x w x h)	175 x 124 x 51 mm
Material	White plastic

Environmental

Operating temperature	-5°C to +40°C
Operating humidity (Non Condensing)	10 - 95%
IP rating	IP40

Ordering Information

Part No.	Description
IU2080C	2000 Series Addressable Supervised Output Controller