

IU2080

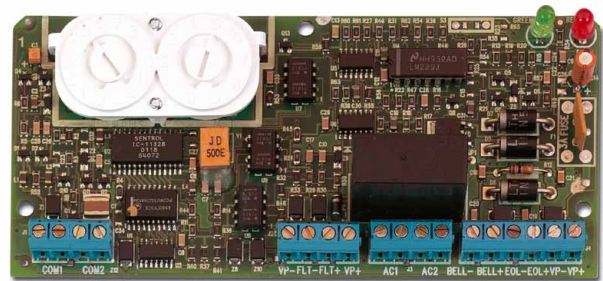
Indicating Circuit Controller

The Aritech Indicating Circuit Controller is designed for efficient, addressable control of sounders, bells and strobes in a fire detection system. The 3 A of output power available from the IU 2080 assures meeting all requirements for signaling devices on a fire alarm system.

The IU 2080 ensures system reliability with continuous supervision of the output circuit for open or short circuit conditions and continuous monitoring of the input power supply for a low voltage condition. The IU 2080 output circuit supports continuous and pulsing outputs. This significantly simplifies meeting requirements for coding of sounders.

The IU 2080 module is connected to the FP 2000 via a two wire communication loop that carries control data to the module. The indicating circuit is powered via a auxiliary power supply. The individual modules address is set with a simple dip switch. Therefore, the address setting is nonvolatile and will not be lost in the event of a power outage. The indicating circuit controller utilizes an advanced digital data communications protocol that ensures the integrity of the data communication with extensive error correction algorithms.

The operation of the ICC is fully configured by means of the FP 2000 powerful output programming facility.



Standard Features

- **Versatile, addressable control for sounders, bells and strobes**
- **Supervised output circuit**
- **Programmable output**
- **24 V external power supply**



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Specifications

Operating voltage	17-28 V, at comm. loop terminals
Total standby current	<350 A, <200 A typical
Maximum alarm current	<3.5 mA at comm. loop
Operating temperature	-10° C to 70° C
Operating humidity range	0 - 95%; Non-condensing
Circuit impedance at 24 V	
Short circuit	<3.3 K
Quiescent	3.3 K - 13 K
Open circuit	<13 K
Power supply low voltage detection	24 V; <20.4 V
Standby current	<11 mA @ 24 V dc
Alarm current	<72 mA @ 24 V dc (plus output circuit load current from ext. power supply)
Supervisory voltage	2.2 V dc, inverted
Circuit voltage in alarm	24 V dc
Alarm current (fuse rating)	3 A
End of line resistor value	10 K, 1/4W, 5%

Ordering Information

Part No.	Description
IU2080	Indicating Circuit Controller



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