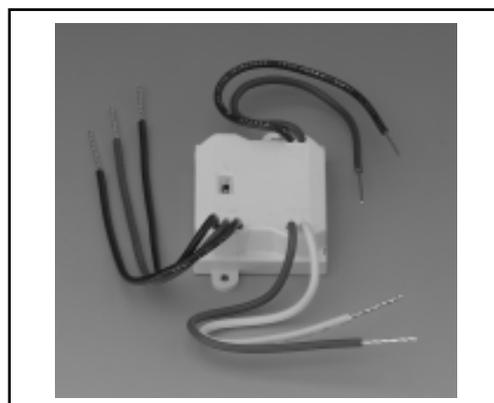


ECO2000M INTELLIGENT SELF-ADDRESSING INPUT MODULE

FEATURES

- Allows monitoring of switch contacts
- Detector addressing automatically allocated by the ECO2000 Fire Control Panel
- Auto addressing system, making commissioning simpler and faster
- Can be connected to the same 2 wire circuit as sounders, reducing wiring and installation costs
- Automatic Zoning
- Integral short circuit isolator
- Small size permits simple mounting inside electrical boxes and product enclosures
- Remote LED option
- Wide operating temperature range
- Conforms to CEA GEI 1-052



DESCRIPTION

The ECO2000M input module belongs to the ECO2000 family of intelligent devices. Using the latest in design development and digital technology, ECO2000 provides a highly cost effective system that extends the benefits of intelligent detection to smaller and less complex installations.

The ECO2000M can be used to monitor any switch contact such as sprinkler flow switches or other external apparatus. When the end of line resistor (47k Ω - supplied with ECO2000M) is fitted to the wiring, ECO2000M can signal an open circuit fault. If a series resistor (3.9k Ω - not supplied with ECO2000M) is fitted in series with the switch contacts, the ECO2000M can distinguish between a short circuit condition and an alarm condition. Connections to the ECO2000M are made by means of flying leads.

There is no requirement for addressing the ECO2000M module once it has been connected to the loop circuit. When incorporated on to an ECO2000 system the address for the ECO2000M module is automatically allocated when the system is powered. This facility therefore reduces the time required to commission the system, as there is no requirement to individually address each device. The ECO2000M module can also be connected to the same loop circuit as loop powered sounders, which reduces installation and wiring costs.

Automatic zoning on an ECO2000 system is easily achieved by simply adding a resistor in the last device within each particular zone.

Each ECO2000M module contains an integral short circuit isolator, allowing the system to remain fully operational in the event of a single short circuit.

The ECO2000M module is small enough to fit inside a single gang junction box. The ECO2000M's size and weight allows it to be installed without the need to be rigidly mounted. However, it is recommended that the screw fixing positions be used whenever possible, especially in larger enclosures where the installation is expected to be subject to vibration or movement.

The ECO2000M module has a remote LED indicator capability, which is used for visible alarm indication. This LED can be pulsed in normal operation to indicate the presence of the module. There is also a special address-flashing mode, which allows the module's address to be read by observation.

All System Sensor products are covered by our extended 3 year warranty.

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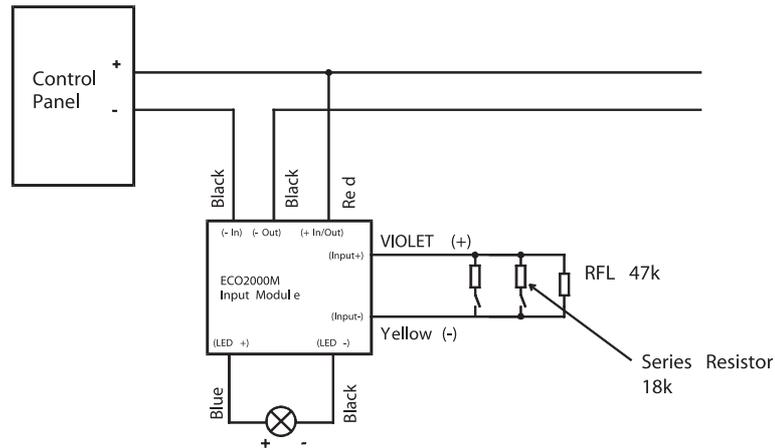
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Figure 1:
ECO2000M
Wiring Details



ECO2000M INTELLIGENT SELF-ADDRESSING INPUT MODULE

SPECIFICATIONS

Electrical

Operating Voltage Range	15 to 30VDC
Maximum Standby Current	385µA @ 24 VDC (no communication)
Maximum Alarm Current (LED on)	6.5mA @ 24VDC
Maximum Loop Current	1A
Device Resistance (non-isolating)	0.2 ohms

Environmental

Operating Temperature Range	-30°C to +70°C
Humidity	5% to 95% Relative Humidity (non-condensing)

Mechanical

Height	55mm
Width	45mm
Depth	17mm
Weight	40g
Colour	Pantone Warm Grey 1C
Material	Bayblend FR110

Product Range

ECO2003	Photoelectric Smoke Sensor
ECO2005	Fixed Temperature/Rate of Rise Thermal Sensor
ECO2001	Manual Callpoint
ECO2000B	Sensor Base
EMA24ALW/R (white/red)*	Wall Mounted Loop Powered Sounder
DBS24ALW/LR (lid white/lid red)*	Loop Powered Detector Base Sounder

* Products available through KAC Alarm Company Limited.