

## ML-1130 / ML-1130.SCI

### MAXLOGIC INTELLIGENT ADDRESSABLE HEAT DETECTOR / SHORT CIRCUIT ISOLATOR

ML-1130 / ML-1130.SCI (short circuit isolator) Heat detector detects temperature change by temperature-sensitive thermistors. When the temperature has been changed 30 °C and/or environmental temperature reached 60°C this detected analog value is interpreted by the electronic circuits and fire is detected. False alarms are prevented by advanced algorithm before the generated fire signal. Detectors are suitable for indoor use.



### PRODUCT FEATURES

- Compatible with EN 54-5 and EN 54-17
- Optional model with short circuit isolator
- Twin fire alarm indicators for 360° viewing
- 'Soft' addressable by use of address programmer
- Communication interrupt for fast fire alarm detection in 1.5 sec
- Remote indicator output
- Protection from electromagnetic interference
- Compatible with MAXLOGIC series addressable panels
- Microcontroller based design
- Produced by use of surface mount technology
- Compatible with ML-0140 series detector base
- Compatible with ML-0141 series detector base with buzzer
- Compatible with ML-0121 series surface mounting back box
- Compatible with ML-0150 series recessed mounting base
- Stable sensitivity
- RY LED glows Red in case of fire, Yellow in case of pollution and fault conditions.
- User friendly and easy mounting
- Low power consumption
- The product plastic is impact-proof

## TECHNICAL SPECIFICATIONS

|   |  |
|---|--|
| <b>Supply voltage</b>                   | 33V -18V DC Loop Powered                                   |
| <b>Detection source</b>                 | Thermistor   |
| <b>Heat Class</b>                       | A1R & A1S  |
| <b>Quiescence / Alarm current (max)</b> | 600µA/4mA  |
| <b>Remote indicator output (max)</b>    | 2,5mA  |
| <b>Alarm indicator</b>                  | 2 white LED (Red in case of fire, Yellow in case of Error) |
| <b>Operating temperature</b>            | (-10°C) - (+50°C)  |
| <b>Storage temperature</b>              | (-30°C) - (+60°C)  |
| <b>Relative humidity</b>                | %95 (+40°C non-condensing)                                 |
| <b>Dimensions (socket is included)</b>  | Ø:106 mm, h:51 mm  |
| <b>Weight (socket is included)</b>      | 95 gr  |
| <b>Cable</b>                            | 1x2x0.8+0.8JH(st)H / 1x2x1.5+1.5JH (st)H                   |

### TECHNICAL SPECIFICATION (SHORT-CIRCUIT ISOLATOR)

|   |          |
|---|----------|
| <b>Max. Power supply (Vmax)</b>                         | 33V      |
| <b>Nominal Power supply (Vnom)</b>                      | 26V      |
| <b>Minimum Power supply (Vmin)</b>                      | 18V      |
| <b>Maximum Switch current (ISmax)</b>                   | 1A       |
| <b>Maximum Operating current (ICmax)</b>                | 1A       |
| <b>Isolation current (ILmax)</b>                        | < 45 mA  |
| <b>Maximum contact resistance (ZCmax)</b>               | 500 mΩ   |
| <b>Isolation voltage (VS0min - VS0max)</b>              | 8V - 13V |
| <b>Normal status transition voltage (VSCmin-VSCmax)</b> | 8V - 13V |

## MODELS

| <b>Product</b>     | <b>Description</b>   |
|--------------------|--|
| <b>ML-1130</b>     | Maxlogic Intelligent Addressable Heat Detector                             |
| <b>ML-1130.SCI</b> | Maxlogic Intelligent Addressable Heat Detector With Short Circuit Isolator |

CONNECTION DIAGRAM

