

ML-1110 / ML-1110.SCI

MAXLOGIC INTELLIGENT ANALOGUE ADDRESSABLE SMOKE DETECTOR / SHORT CIRCUIT ISOLATOR

ML-1110 / ML-1110.SCI (short circuit isolator) detector utilizes the light scatter sensing principle. It has an infrared light source, which emits signals and photo-diode, which senses the scattering light with the effect of smoke entering the chamber. The chamber is designed for Protection from dust, insects and other external interferences. Detectors are suitable for indoor use.



PRODUCT FEATURES

- Compatible with EN 54-7 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 optical measurement result warning
- Low power consumption
- The product plastic is impact-proof.

TECHNICAL SPECIFICATIONS

Supply voltage	33V -18V DC Loop powered
Detection source	Optical chamber
Quiescence / Alarm current (max)	600µA/4mA
Remote indicator output (max)	2,5mA
Alarm indicator	2 white LED (Red in case of fire, Yellow in case of pollution and error)
Operating temperature	(-10°C) - (+50°C)
	(-30°C) - (+60°C)
Relative humidity	%95 (+40°C non-condensing)
Dimensions (socket is included)	Ø:106 mm, h:51 mm
Weight (socket is included)	100 g
Cable	1x2x0.8+0.8JH(st)H / 1x2x1.5+1.5JH (st)H

TECHNICAL SPECIFICATIONS (SHORT-CIRCUIT ISOLATOR)

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

MODELS

Product	Description
ML-1110	Maxlogic Intelligent Analogue Addressable Smoke Detector
ML-1110.SCI	Maxlogic Intelligent Analogue Addressable Smoke Detector with Short Circuit Isolator

CONNECTION DIAGRAM

