

ML-2170 / ML-1170 / ML-1170.SCI

MAXLOGIC CONVENTIONAL / INTELLIGENT ADDRESSABLE BEAM TYPE SMOKE DETECTOR / SHORT CIRCUIT ISOLATOR



Maxlogic beam type smoke detector consists of 2 parts as a receiver and transmitter. Should be mounted as facing each other between the distance of 5-100 m. The detector works on the principle of light obscuration. In normal condition light produced by the transmitter unit falls on the photosensitive element. The transmitter unit is calibrated to a preset sensitivity level based on a percentage of total obscuration. It gives fault signal if this percentage of total obscuration is less than or equal to determined alarm level in 6-8 secs. It gives fault signal or fire alarm depends on the user choice. Detector gives fault alarm if there is more than 90% sudden obscuration of the light.

PRODUCT FEATURES

- 5-100 m operating distance
- Protect against the fire around 1500 m² protection area
- Compatible with EN 54-12 / EN 54-17
- Short circuit isolator featured model option
- 3 sensitivity levels
- 2 digit numerical screen for easy commissioning
- LED indicators for operating, fault and fire conditions

TECHNICAL SPECIFICATIONS

Operating Environment	Indoor environments
Detection Principle	Light obscuration
Operating Distance	5-100 m
Alarm Levels	%25 / 1,25 db %35 / 1,87 db %45 / 2,6 db
Alarm Response Time	6-8 sec.
The Largest Angular Fault	+/- 0,5°
Operating Voltage	20V-30V DC
Quiescence Current	Reciever:50 mA Transmitter:20 mA
Alarm Current	Reciever:60 mA
Operating Temperature	(-10°C) - (+55°C)
Storage Temperature	(-30°C) - (+60°C)
Max. Humidity	%95 (non-condensing)
Dimensions	160 x 192 x 109 mm
Weight	Receiver: 830 gr, Transmitter: 800 gr.
Color	White

BUTTONS

Cover Key

Both receiver and transmitter have cover key. Cover closing information is sent by cover key in transmitter. And IR led starts to impact signal. Installation is started by cover closing in receiver.

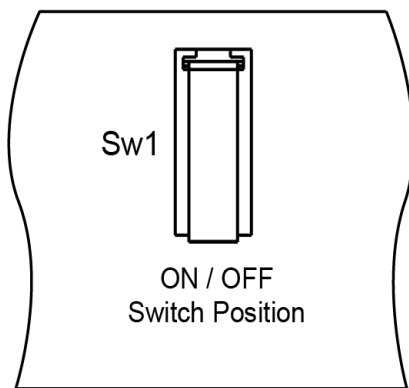
Menu Buttons

Menu buttons are located on receiver. It provides to do menu settings.

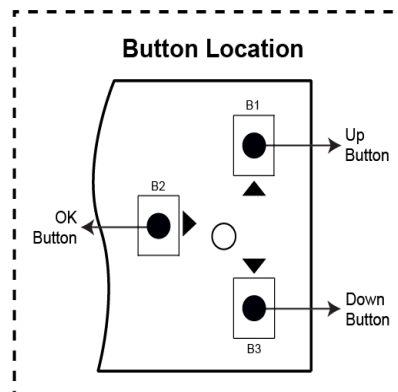
Up: It provides to pass to next feature and increase the value in feature.

Down: It provides to pass to previous feature and reduce the value in feature.

OK: It provides into the feature value tab and install the value.



Cover Key



Menu Buttons

INDICATORS

External Indicators

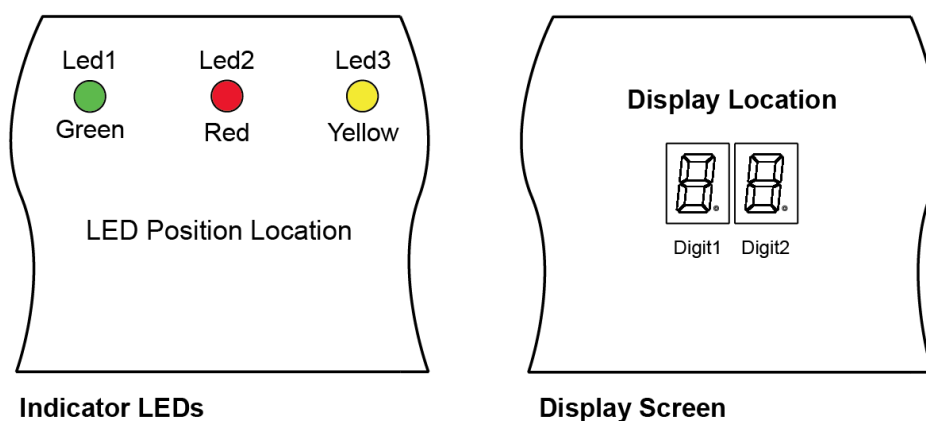
Green LED: Both receiver and transmitter have this LED. It shows that detector is energized.

Red LED: Only receiver has this. It shows fire alarm signal.

Yellow LED: Both receiver and transmitter have this LED. It shows fault condition. In addition it shows that calibration is done.

Internal Indicator

2x7 Segment Display



MODELS

ML-2170	Maxlogic Conventional Beam Type Smoke Detector
ML-1170	Maxlogic Intelligent Addressable Beam Type Smoke Detector
ML-1170.SCI	Maxlogic Intelligent Addressable Beam Type Smoke Detector with Short Circuit Isolator

ACCESSORIES AND OPTIONS

ML-2171	Maxlogic Conv. Beam Type Smoke Detector Receiver
ML-2172	Maxlogic Conv. Beam Type Smoke Detector Transmitter
ML-1171	Maxlogic Intelligent Addressable Beam Type Smoke Det. Receiver
ML-1171.SCI	Maxlogic Intelligent Addressable Beam Type Smoke Det. Receiver with short circuit isolator
ML-1172	Maxlogic Intelligent Addressable Beam Type Smoke Det. Transmitter