Temperature Sensor
ESMI 52051HTE/52051HTEI

Instruction Sheet

R10065GB1

Schneider Electric

www.se.com/buildings

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Contents

Safety Information

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

1 Temperature Sensor ESMI 52051HTE/52051HTEI

The ESMI 52051HTE/52051HTEI (product codes below) is fixed temperature analogue addressable sensor employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing. Its linear response allows these sensors to be used to signal temperatures over the range of 58°C (Class A1S) to 78°C (Class BS).

1.1 AP200 Series detectors

AP200 series detectors for Esmi Sense FDP and FX 3NET Fire Detection Systems with FX-SLC protocol

AP200 series detectors are compatible with the FX-SLC loop controller (159+159 addresses per loop).

The new FX-SLC protocol delivers more devices on the loop and gives greater control, configurability and device management whilst enabling the overall system to optimised to the location.

AP200 series detectors are mechanically and electrically backwards compatible with Series 200 devices.
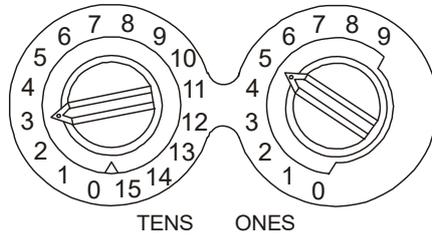
All detectors are environmentally friendly and meet the WEEE and RoHS legislative requirements, minimising end of life disposal costs.

The AP200 series detectors (except ESMI2251CTLE-W) have two integral tri-colour LEDs that provide 360° local visual indication of the device status. The LED colours are red for alarm, amber for fault and green for normal condition. The ESMI2251CTLE-W LED colour is red.

The detectors are available with or without single pole short circuit isolation.
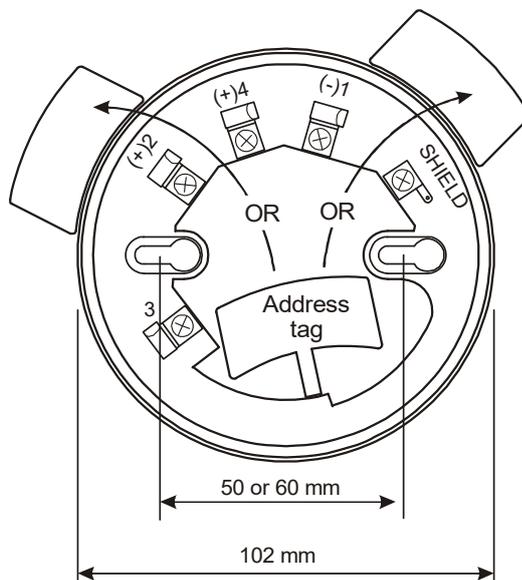
1.2 Address setting

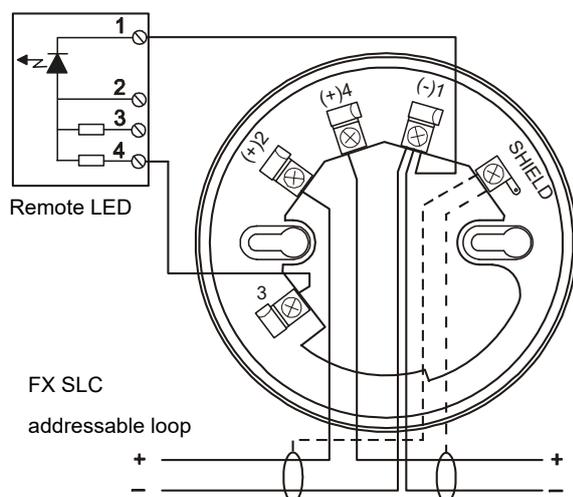The individual address of detectors is set using the rotary switches.

TENS   ONES

1.3 Detector base B501AP

1.4 Mechanical installation

50 or 60 mm

102 mm

1.5　Electrical connections

Remote LED

FX SLC

addressable loop

1.6　Thermal sensor performance

Thermal sensor	Performance
52051RE	Class A1R, 58°C Fixed temperature and Rate of Rise
52051E	Class A1S, 58°C Fixed temperature
52051HTE	Class BS, 78°C Fixed temperature

1.7　Product Codes

Product	Product code
ESMI 52051HTEI (with isolator)	FFS06710615
ESMI 52051HTE (without isolator)	FFS06710616
B501AP	FFS06710600