

STD630



Smoke and Temperature Detector STD 630 is a conventional detector and provides:

- Detection system with maximum functionality.
- Maximum operational reliability thanks to intelligent evaluation of measuring chamber signal.
- Permanent internal detector temperature measurement for mapping a temperature profile of the fire alarm system.
- Alarm output for triggering a floating contact in the base or a remote indication.
- Measuring chamber signal and electronics monitored for malfunctions.
- Max. length of loop/line 3000 m when using cable of 0.8 mm² cross-section.
- No electronics in standard detector base.

Additional information:

Optical sensor:

- The measuring chamber consists of a labyrinth for excluding external light, an intermittent LED and a photodiode in the so called 1st measuring channel.
- True contamination detection by means of independent 2nd measuring channel.
- Automatic adjustment of alarm threshold in the case of contamination.

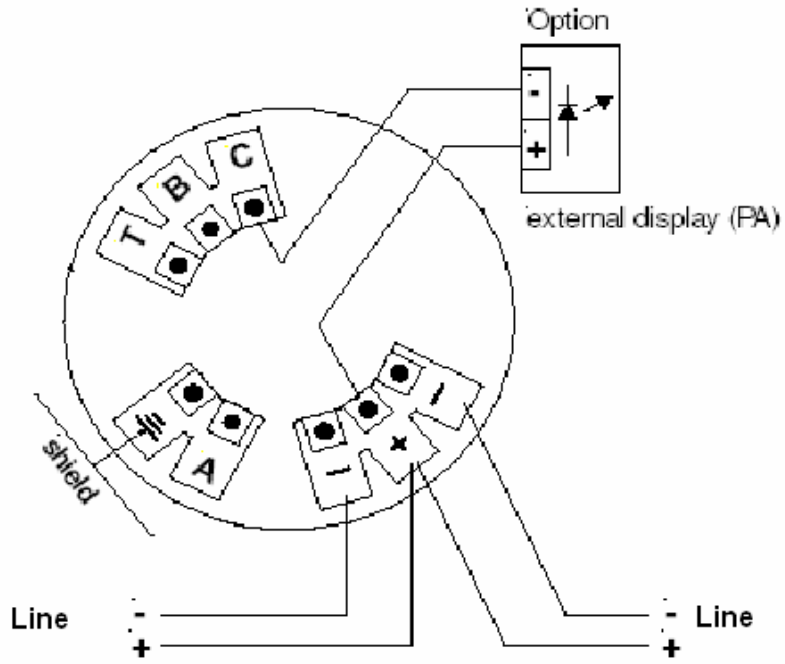
Thermal sensor:

- Combination of both temperature measurement principles fixed and rate-of-rise.

Detector specification optical	DIN EN 54-7
Detector specification thermal	DIN EN 54-5
Classes	A1, A1S, A1R, B, BS, BR
Type of connection	2-wire cable
Addressing	32 detectors per line
Power supply	12-30 Vdc via 2-wire cable
Standby current	Max 100 µA
Alarm current	20 mA
Alarm signalling	red LED for alarm
Alarm output	max. 15 mA
Response sensitivity	< 0.15 dB/m
Thermal sensor	60°C
Max. humidity	95%/40°C
Max. air velocity	20 m/s
Operating temperature	-10 to +60°C
Max. area protected	120 m ² smoke /40 m ² heat
Class of protection (EN 60529)	IP 43
Dims. with base (Ø x H)	100 x 44 mm
Weight	90 g.

In the interest of improving quality and design, Fittich reserve the right to amend specification without giving prior notice

WIRIN



Binder A and B are for free disposal
 For conventional detectors a terminator must be set 5k6 in the last detector.

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