

UTD633



## **Universal Temperature Detector UTD 633 is a loop 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.
- True sensor test carried out periodically.
- User-defined detector sensitivity.
- Presence/Absence switchover with selectable sensitivities.
- Last service date store.
- Automatic addressing (soft addressing).
- 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 mm<sup>2</sup> cross-section.
- No electronics in standard detector base.
- Integral anti-theft protection.
- Teach-in mode for ambient conditions and automatic variable sensitivity adjustment (optional).
- Windows-based service, diagnosis and installation software I-Check included, featuring:
  - graphic display of loop/line topology
  - localised short-circuit detection

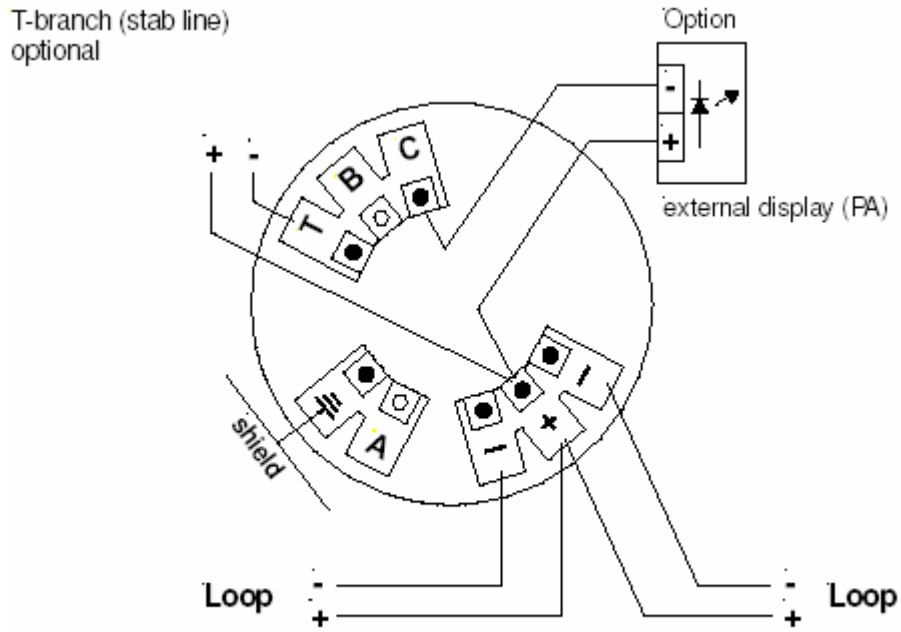
Additional information:

- Combination of both temperature measurement principles fixed and rate-of-rise.
- Temperature measurement by means of a fast, highly accurate sensor.
- True ambient temperature is available at the central control panel ( $\pm 0.5^{\circ}\text{C}$ ).
- Built in bidirectional short-circuit isolator to prevent detector failure in the event of a short-circuit.

Detector specification	DIN EN 54-5
Classes	A1, A1S, A1R, B, BS, BR
Type of connection	2-wire cable
Addressing	max. 126 elements/loop
Power supply	15-30 Vdc via 2-wire cable
Standby current	const. 250 $\mu\text{A}$ up to 30 V
Alarm current	5 mA
Alarm signalling	red LED for alarm yellow LED for malfunction
Alarm output	max. 15 mA
Trip temperature	60°C
Max. humidity	95%/40°C
Max. air velocity	20 m/s
Operating temperature	-10 to +75°C
Max. area protected	40 m <sup>2</sup>
Class of protection (EN 60529)	IP 23
Dims. with base ( $\varnothing$ x H)	100 x 49.5 mm
Weight	85g
VdS approval No.	<b>G 205109</b>

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

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