

CTD633



CO gas and Temperature Detector CTD 633 is a loop detector for Profi Loop 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 mm² 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
 - localised earth fault detection (optional)

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

Additional information:

- Built in bidirectional short-circuit isolator to prevent detector failure in the event of a short-circuit.

Thermal sensor:

- Combination of both temperature measurement principles maximum and rate-of-rise.
- Temperature measurement by means of a fast, highly accurate sensor.
- True ambient temperature is available at the central control panel ($\pm 0.5^{\circ}\text{C}$).
- User-defined programming of interaction between CO and thermal sensors (total of 8 links).

CO sensor:

- Fire detection by means of a fast, highly accurate Dräger CO sensor.
- Measuring range 0 to 100 ppm CO.
- Alarm settings:
 - pre-alarm: 30 ppm CO.
 - main alarm: 60 ppm CO

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	
Alarm signalling	visual acoustic	red LED for alarm yellow LED for malfunction Piezo buzzer
Alarm output	max. 15 mA	
Life expectancy of CO sensor	> 30 months	
Max. humidity	95%/40°C	
Max. air velocity	20 m/s	
Operating temperature	0 to +50°C	
Max. area protected	40 m ²	
Class of protection (EN 60529)	IP 23	
Dims. with base (Ø x H)	100 x 49.5 mm	