

## STD633i

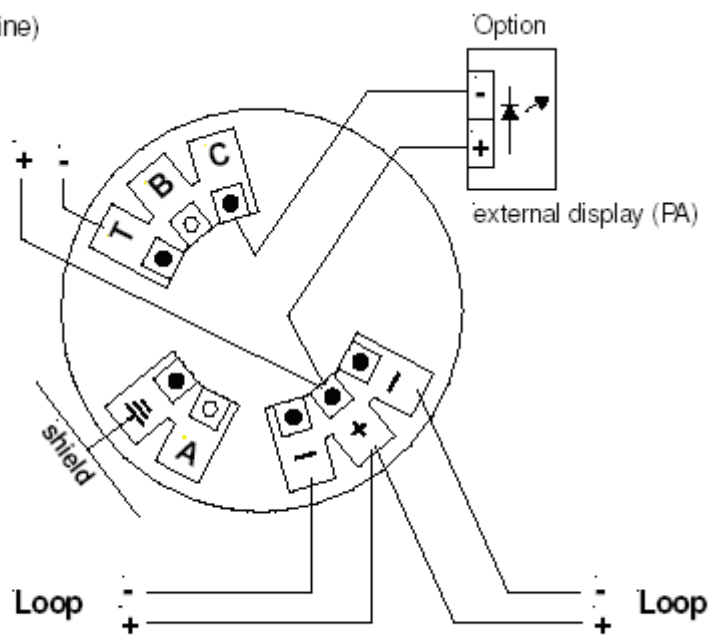


### **Intelligent optical and thermal detector for F-PRO, for earliest fire detection in environments with difficult ambient conditions:**

- Optical measurement channel via LED with white light.
- Second measurement channel for compensation and contamination detection.
- Integrated algorithm for humidity detection (hermitic patent).
- Intelligent analysis and rejection application for cigarette smoke.
- High reliability via intelligent algorithm and combination of thermal and optical sensor signal.
- Real time sensor tests.
- Individual programming of detectors sensitivity.
- Programmable attendance and absence via individually selectable sensitivity.
- Last maintenance event storage.
- Automatic and manual addressing on the F-PRO.
- Failure monitoring of the measurement signal chamber and its electronics.
- Programmable for application in different environments.
- Integrated isolator and t-branch (spur) facility.
- Integrated OC output.

Detector specification	DIN EN 54-7 DIN EN 54-5
Type of connection	2-wire cable
Addressing	max. 126 elements/loop
Power supply	15-30 Vdc via 2-wire cable
Standby current	250 $\mu$ A
Alarm current	5 mA
Alarm signalling	red LED for alarm yellow LED for malfunction
Output open collector	max. 10 mA for LED indicators or Piezo base
Trip temperature	60°C or rate of rise
Max. humidity	95%/40°C
Max. air velocity	20 m/s
Operating temperature	-10 to +60°C
Colour housing	white, similar to RAL 9003
Class of protection (EN 60529)	IP 40
Material	ABS
Dims. with base ( $\varnothing$ x H)	100 mm x 52 mm
Weight	90 g.

T-branch (stab line)  
optional



Binder A and B are for free disposal