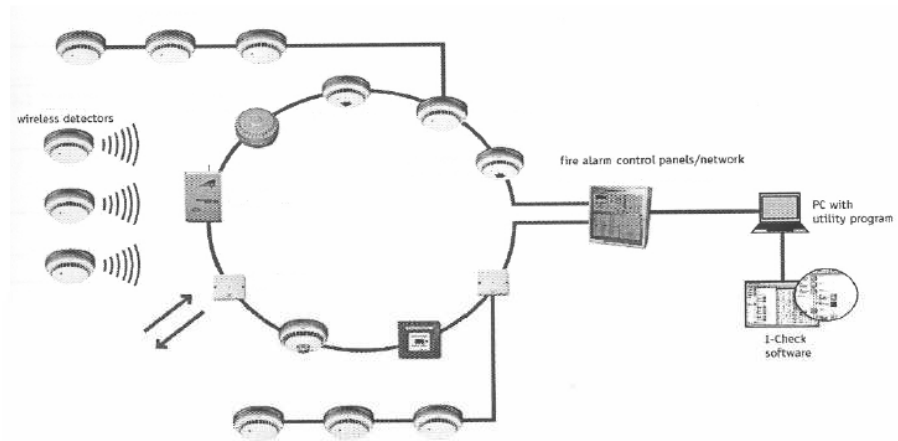


Loop detectors

Loop

- maximum operational reliability thanks to intelligent evaluation of measuring chamber signal
- permanent internal detector temperature measurement for mapping a temperature profile
- true sensor test carried out periodically
- user defined detector sensitivity
- presence/absence switchover with selectable sensitivities
- last service date stored
- 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. loop length 3000m with 0.8mm² cable cross-section
- no electronics in standard detector base
- integral anti-theft protection
- windows based service, diagnostics and installation software I-Check included:
 - graphic display of loop/line topology
 - localized short-circuit detection



Order-No. SSD633

**Optical smoke detector with isolator**

- measuring chamber consists of a labyrinth for excluding external light, an intermittent LED and photodiode in the so-called 1st measuring ch.
- true contamination detection by means of independent 2nd measuring channel
- automatic adjustment of alarm threshold in case of contamination
- version with built-in short circuit isolator
- Technical specification:
 - Detector specification: DIN EN54-7
 - Type of connection: 2-wire bus
 - Addressing: max. 126 elements/loop (soft addressing)
 - Power supply: 15-30 VDC via 2-wires/loop
 - Standby current: const. 250 µA at 30VDC
 - Alarm current: 5 mA
 - Alarm output: max 15 mA
 - Alarm signalling: red LED alarm, yellow LED fault
 - Response sensitivity: < 0.15dB/m
 - Max. humidity: 95%/40°C
 - Max. air speed: 20 m/s
 - Operating temperature: -10°C to +60°C
 - Max. area protected: 120m²
 - Class of protection: IP43
 - Dimensions (Ø x H): 100 x 44 mm

VdS approval No.: G 205108

Order-No. SSD632

**Optical smoke detector**

- as order SSD633 but without bidirectional short-circuit isolator

VdS approval No. G 25100

Order-No. SSD633C

**Optical smoke detector in air duct with isolator**

- inserting in aspiration pipes with air speed max. 20 m/s
- other characteristics as Order-No. SSD633

VdS approval No.: G 202107

Order-No.PL3304 O

**Optical smoke detector. Design variant 4**

- Technical characteristics as SSD633
- Available in white and silver colour

VdS approval No.: G 204088

Order-No.PL3305 O

**Optical smoke detector. Design variant 5**

- Technical characteristics as SSD633
- Available in white and silver colour

VdS approval No.: G 204089

Order-No.PL3301 O

**Optical smoke detector. Design variant 1**

Technical characteristics as SSD633
 Available in white, silver and black colour
VdS approval No.: G 205046

Order-No. UTD633

**Thermal detector with isolator**

- 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 short circuit isolator
 - Technical specification:
 - Detector specification: DIN EN54-5
 - Classes: A1, A1S, A1R, B, BS, BR
 - Type of connection: 2-wire bus
 - Addressing: max. 126 elements/loop (soft addressing)
 - Power supply: 15-30 VDC via 2-wires/loop
 - Standby current: const. 250 μA at 30VDC
 - Alarm current: 5 mA
 - Alarm output: max 15 mA
 - Alarm signalling: red LED alarm, yellow LED fault
 - Response sensitivity: $< 0.15\text{dB/m}$
 - Max. humidity: 95%/40 $^{\circ}\text{C}$
 - Trip temperature: 60 $^{\circ}\text{C}$
 - Operating temperature: -10 $^{\circ}\text{C}$ to +75 $^{\circ}\text{C}$
 - Max. area protected: 40m²
 - Class of protection: IP23
 - Dimensions (\varnothing x H): 100 x 49.5 mm
- VdS approval No.: G 205109**

Order-No. UTD632

**Thermal detector**

- as order UTD633 but without bidirectional short-circuit isolator
- VdS approval No.: G 203038**

Order-No. STD633

**Optical/Thermal multisensor with isolator**

Optical and Thermal sensors combined together within a single detector

- Technical specification:
 - optical sensor: DIN EN54-7
 - thermal sensor: DIN EN54-5
 - Classes: A1, A1S, A1R, B, BS, BR
 - Type of connection: 2-wire bus
 - Addressing: max. 126 elements/loop (soft addressing)
 - Power supply: 15-30 VDC via 2-wires/loop
 - Standby current: const. 250 μ A at 30VDC
 - Alarm current: 5 mA
 - Alarm output: max 15 mA
 - Alarm signalling: red LED alarm, yellow LED fault
 - Max. humidity: 95%/40°C
 - Optical sensor: < 0.15dB/m
 - Thermal sensor: 60°C
 - Max. humidity: 95%/40°C
 - Max. air speed: 20 m/s
 - Operating temperature: -10°C to +60°C
 - Max. area protected: 120m²
 - Class of protection (EN 60529): IP43
 - Dimensions (\varnothing x H): 100 x 44 mm

VdS approval 205122

Order-No. STD632

**Optical/Thermal multisensor without isolator**

- as order STD633 but without bidirectional short-circuit isolator

VdS approval 205052

Order-No. CTD633

**CO and thermal detector with isolator**

- combination of temperature measurement principles-fixed and rate-of-rise and CO detection
- temperature measurement by means of a fast, highly accurate sensor
- true ambient temperature is available at the central control panel ($\pm 0.5^\circ\text{C}$)
- measuring range from 0 to 100ppm
- built-in short circuit isolator
- Technical specification:
 - Detector specification: DIN EN54-5
 - Classes: A1, A1S, A1R, B, BS, BR
 - Type of connection: 2-wire bus
 - Addressing: max. 126 elements/loop (soft addressing)
 - Power supply: 15-30 VDC via 2-wires/loop
 - Standby current: const. 250 μ A at 30VDC
 - Alarm output: max 15 mA
 - Alarm signal visual: red LED alarm, yellow LED fault
 - Alarm signal acoustic: piezo buzzer
 - Life expectancy for CO: 30 months
 - Max. humidity: 95%/40°C
 - Trip temperature: 60°C
 - Operating temperature: 0°C to +50°C
 - Max. area protected: 40m²
 - Class of protection: IP23
 - Dimensions (\varnothing x H): 100 x 49.5 mm

Order-No. USB633-1

**Standard detector base**

- base for all series 63x detectors
- labeling tag (optional) can be installed without tools
- integral anti-theft protection
- Technical specification:
 - dimensions (Ø x H): 95 x 20 mm
 - housing material: ABS
 - colour: white, RAL 9010

Available in white, silver and black colour

Order-No. USB633-1B

Photograph not available

Detector base, bridged

base with bridge between the loop cages for a closed loop without detector in the base, colour white.

- base for all series 63x detectors
- including LED indicator connection
- space for additional cage clamps and modules
- Technical specification:
 - dimensions (Ø x H): 95 x 20 mm
 - housing material: ABS
 - colour: white, RAL 9010

Order-No. USB633-1R

**Detector base with relay**

detector base with integrated relay output, colour white.

- relay detector base to connect to external devices
- relay activated directly from detector alarm output
- potential free change over contact
- Technical specification:
 - dimensions (Ø x H): 95 x 20 mm
 - relay output change over contact 30 V / 1 A
 - housing material: ABS
 - colour: white, RAL 9010

Order-No. USB633-2

**Wall mounting kit for USB**

usable as wall mounting kit for all detector bases for on-wall wire installation

- cable entries at the side
- internal space for additional modules
- Technical specification:
 - dimensions (Ø x H): 110 x 28 mm
 - housing material: ABS
 - colour: white, RAL 9010

Order-No. USB633-3

**Detector base for humid area**

- base for all series 63x detectors with USB633-1
- IP54
- socket USB633-1 must be ordered
- Technical specification:
 - dimensions (Ø x H): 111 x 38 mm
 - housing material: ABS
 - colour: white, RAL 9010

Order-No. USB633-1

**Standard detector base**

- base for all series 63x detectors
- labeling tag (optional) can be installed without tools
- integral anti-theft protection
- Technical specification:
 - dimensions (Ø x H): 95 x 20 mm
 - housing material: ABS
 - colour: white, RAL 9010

Available in white, silver and black colour

Order-No. USB633-1B

Photograph not available

Detector base, bridged

base with bridge between the loop cages for a closed loop without detector in the base, colour white.

- base for all series 63x detectors
- including LED indicator connection
- space for additional cage clamps and modules
- Technical specification:
 - dimensions (Ø x H): 95 x 20 mm
 - housing material: ABS
 - colour: white, RAL 9010

Order-No. USB633-1R

**Detector base with relay**

detector base with integrated relay output, colour white.

- relay detector base to connect to external devices
- relay activated directly from detector alarm output
- potential free change over contact
- Technical specification:
 - dimensions (Ø x H): 95 x 20 mm
 - relay output change over contact 30 V / 1 A
 - housing material: ABS
 - colour: white, RAL 9010

Order-No. USB633-2

**Wall mounting kit for USB**

usable as wall mounting kit for all detector bases for on-wall wire installation

- cable entries at the side
- internal space for additional modules
- Technical specification:
 - dimensions (Ø x H): 110 x 28 mm
 - housing material: ABS
 - colour: white, RAL 9010

Order-No. USB633-3

**Detector base for humid area**

- base for all series 63x detectors with USB633-1
- IP54
- socket USB633-1 must be ordered
- Technical specification:
 - dimensions (Ø x H): 111 x 38 mm
 - housing material: ABS
 - colour: white, RAL 9010