

## INTELLIGENT OPTICAL SMOKE DETECTOR WITH ISOLATOR

OA15

Art no.: DL-520-20



Intelligent optical smoke detector for D-Loop with two optical sensors and a bidirectional isolator according to EN 54-7/-17/-18

- Highest reliability by optimal adjustment of the alarm threshold via intelligent algorithm for the fire detection
- Individual change of detector class for sensitivity levels 1 to 4 using DPT
- Pollution detection of the smoke measurement chamber by an additional optical path
- Detector sensitivities automatically adapted and programmable
- Intelligent analysis and suppression mode for the elimination of false alarms
- Fault monitoring of the measurement chamber signal and D-Loop electronics
- Periodic sensor test
- Automatic and manual addressing on D-Loop
- Integrated isolator
- Freely programmable alarm output to control parallel indicator
- Functions completely integrated via D-Loop protocol
- Day-/Nightmode with selectable sensitivities
- Integrated event log
- Multicolour LED for alarm (red) and fault (yellow)
- LED blinking option for life signal or maintenance mode
- Delivery including dust protection cover for installation phases

### Technical data

Supply Voltage	30 V to 41 V DC on 2-wire bus (nom. 40 V DC)
Quiescent Current	180 $\mu$ A
Alarm Current	5 mA
Output	optional relay 0,4 A/ <30 V DC
Ambient Temperature	-10°C to +65°C
Humidity	max. 93 %
Protection Class	IP 20 B
Weight	150 g including base
Material	ABS
Color	Housing white (similar to RAL 9003)
Standards	EN 54-5, EN 54-17, EN 54-18
Dimensions (H x D)	62,6 x 104 mm
Response Sensitivity	Adjustable in 4 sensitivity levels