

## Optical Smoke Detector

PL 3200 O/K

order number : 32045



Intelligent optical smoke detector for loop 3000, specifically for the detection in air streams and in aspirating smoke systems, 2 optical sensors, according to DIN EN 54-7:

- loop 3000 is a highly functional detection-system
- suitable for application with wind speeds of up to 20 m/s
- a dedicated thermal-sensor provides a display of the detector temperature profile at the fire control panel
- superior operational reliability from intelligent analysis of the measuring chamber signal
- a second independent optical measuring channel
- real sensor-tests are carried out on a periodical basis
- detector-sensitivity is freely programmable
- different sensitivities are programmable for day and night periods
- a log of the last maintenance date is stored
- automatic addressing (soft-addressing)
- manual addressing (Easy Check)
- outputs for alarm and fault condition indication at the detector
- automatic fault monitoring of the measuring chamber electronics
- self learning mode in respect of environmental conditions
- recognition of the exact contamination-status
- automatic adjustment of the alarm sensitivity in case of contamination
- multicolour-LED for alarm- (red) and fault-display (yellow)

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### technical data

operation voltage	15 up to 30 V loop powered
quiescent current	250 $\mu$ A
alarm current	5 mA
output open collector	max. 10 mA for LED indicators or piezo base
sensitivity	< 0,15 dB/m
operation temperature	-10°C up to +60°C

errors and alterations excepted



detectomat

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humidity	max. 90 % RH non-condensing
air speed	up to 20 m/s
protection class	IP 40
colour housing	white, similar to RAL 9003
material	ABS
diameter	100 mm
DIN-EN	54-7
further approvals	VdS G 206 035, S 295054
dimensions	(H x Ø): 44 mm x 100 mm
catalogue page	36
weight	0,1 kg

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