



Type

Order No.

FDO181

FDO181 Smoke Detector

S54320-F2-A1



The FDO181 wide-spectrum smoke detector is an optical smoke detector with an optical sensor. It works according to the principle of forward scattering. The detector reacts extremely sensitively to light aerosols caused by fire. The increased sensitivity makes possible the early detection of smouldering and open fires.

- With built-in CPU, signals received are processed by intelligent algorithm
- Two kinds of sensitivity settings (standard, sensitive)
- Opto-electronic sampling chamber more reliably and accurately detects fire
- Automatically addresses setting without encoder setting or DIP switch
- For early detection of smoke and smouldering fires
- Resistant to environment and interference factors such as dust, fibres, insects, humidity, extreme temperatures, electro-magnetic interference, corrosion, vapour, vibration, synthetic aerosols and atypical fire phenomena
- All-around visible alarm indicator
- Communication via FD18-BUS, polarity-free connection
- "Sticker Method" for ease of commissioning

Operating voltage	12 ... 32 VDC
Operating current (quiescent)	0.26 mA
Activation current	1.2 mA
Sensitivity	Standard 2.5% Sensitive 1.8%
Operating temperature	-10 ... +50 °C
Storage temperature	-20 ... +75 °C
Humidity	≤96% (40 ± 2 °C)
Communication protocol	FD18-BUS
Colour	White, RAL 9010
Protection category GB4208-93	IP44
Datasheet	A6V10214488