The optical smoke detector SD-283ST



code: SD280

Optical smoke detector, relay output, connectable to binary input, powered from 12Vdc.
The SD280 detector combines an optical smoke sensor with a heat sensor. Both sensors have their outgoing signals processed digitally, resulting in higher false alarm immunity.

When the detector is used with inserted batteries (3x 1.5 V AA), it can continue operating as a stand-alone detector, when the external 12 V power supply is disconnected.

For application with M13xx Multiloggers please see pdf Manual for connection of detectors in the Download folder.

Technical data

Power	9 – 15 V DC / 3.5 mA (150 mA during an alarm) or 3 pcs of AA 1.5 V alkaline batteries (batteries are not included)
Smoke detector sensitivity	m = 0.11 - 0.13 dB / m pursuant to EN 14604:2005, EN 54-7
Smoke detection	optical light scattering
Heat detection	class A1 according to EN 54-5
Alarm temperature	+60°C to +65°C
Operating temperature range	-10°C to +65°C
Dimensions	diameter 126 mm, height 52 mm
Weight	150 g
Conformity	EN 50130-4, EN 55022