RF Interface
M500RFE-AS

- **ADM loop technology with System Sensor/200 protocol**
- **Up to 99 automatic detectors and 98 manual call points can be controlled**
- **Multi-language operating menu**
- **High range of radio transmission**
- **Two frequency bands (868/434MHz) with automatic change-over**
- **Channel checked for availability**

Description

The RF Interface M500RFE-AS serves as a gateway between radio detectors and a Fire Detection Control Panel Series BC216. The communication with the control panel is established via the ADM loop with System Sensor/200 protocol.

The RF interface can communicate with up to 99 automatic radio detectors and up to 98 manual radio call points. For each automatic radio detector one detector is parameterised in the fire detection control panel, and for each manual radio call point one module is parameterised. The gateway itself occupies one module address on the loop.
The detectors are configured at the RF interface by means of the automatic learning process. A manual parameterisation is also possible.
The RF interface is operated and configured using the built-in key pad and the alphanumeric display. The multi-language operating menu serves for the parameterisation as well as for displaying the signal strength of any individual detector. A 6-digit authorisation code provides protection against unauthorised access. Three LEDs indicate the interface conditions operation, alarm and fault.

The RF interface is designed for indoor surface mounting and is equipped with a dual-isolator, which disconnects the loop in case of a short circuit.

Specifications

Operating voltage	10 – 30VDC
Current consumption external supply (at 24V)	max. 80mA
Current consumption from loop	325µA (quiescent)
Range of radio transmission (free air)	300m
Frequency band	868MHz or 434MHz
Ambient temperature	-10°C to +55°C
Dimensions W × H × D	210 × 270 × 70 (mm)
Colour	white/black
Weight	930g
Approval	VdS G208132
Order number	249202
Order name	RF Interface/Anal./SS M500RFE-AS

VdS

Building Safety. Building Security.