

RF Interface FI700

FI700/RF/W2W

- **ADM loop technology with Labor Strauss/700 protocol**
- **Up to 32 detectors, modules or signalling devices can be controlled**
- **Configuration through menu or PC software**
- **Range of RF transmission max. 200m, more than 3km with RF Expanders**
- **Two orthogonal antennas for safe radio communication**



Description

The RF Interface FI700/RF/W2W serves as a gateway between radio devices Series FI700/RF and a Fire Detection Control Panel Series BC600 or Series BC216. The communication with the control panel is established via the ADM loop with Labor Strauss/700 protocol.

The RF interface can communicate with up to 32 automatic detectors, manual call points, modules, sounders or strobes. The device addresses are set either through the operation menu of the RF interface or through the PC software WireEx. In addition to the parameterisation

of the RF system, this program also allows the analysis and graphical depiction of signal strength and transmission quality.

The range of up to 200m can be increased to more than 3km by using RF expanders. The RF interface can be linked with a maximum of 7 RF expanders.

Three LEDs indicate the interface conditions 'communication', 'fault' and 'battery replacement'.

The RF interface is equipped with a dual-isolator, which disconnects the loop in case of a short circuit.

Specifications

Operating voltage	Supply through loop voltage
Current consumption from loop	max. 25mA
Range of radio transmission (in free air)	max. 200m (to detectors/modules) max. 600m (to RF expanders)
Frequency band	868MHz
Ambient temperature	-30°C to +50°C
Dimensions W x H x D	120 x 160 x 50 (mm, without antennas)
Colour	white
Weight	310g
Approvals	LPCB 928n 0832-CPD-1071
Order number	249261
Order name	RF Interface/700 FI700/RF/W2W



0832-CPD-1071
0832-CPD-1690



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RF Expander FI700/RF/WE

The RF Expander FI700/RF/WE is used to increase the transmission range of a loop RF Interface FI700/RF/W2W or a conventional RF Interface FI700/RF/CWE to more than 3km. The expander serves as a gateway between the RF interface and the radio devices Series FI700/RF.

The RF expander can communicate with up to 32 automatic detectors, manual call points, modules, sounders or strobes and 3 additional expanders. In this way, a hierarchical RF system with up to 6 levels can be created.

The configuration of the RF expander and the hierarchical RF system is carried out by means of the PC software WireEx. The expander itself does not occupy an address.



Specifications

Supply voltage	9 - 29VDC
Current consumption at 24V	typ. 50mA
Range of radio transmission (in free air)	max. 200m (to detectors/modules) max. 600m (to RF interface or RF expander)
Frequency band	868MHz
Ambient temperature	-30°C to +50°C
Dimensions W x H x D	120 x 160 x 50 (mm, without antennas)
Colour	white
Weight	330g
Approvals	LPCB 928r/02 0832-CPD-1690
Order number	249264
Order name	RF Expander/700 FI700/RF/WE

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