

RF Interface

FI720/RF/W2W



- **Loop technology with Labor Strauss 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 FI720/RF/W2W serves as a gateway between radio devices Series FI720/RF or FI700/RF and a Fire Detection Control Panel Series BC600 or Series BC216. The communication with the control panel is established via the loop with Labor Strauss protocol.

The RF interface can communicate with up to 32 automatic detectors Series FI720/RF or manual call points, modules, sounders or strobes Series FI700/RF. 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
Protection class	IP51
Dimensions W x H x D	120 x 160 x 50 (mm, without antennas)
Colour	white
Weight	310g
Approvals	LPCB 928n/01 2831-CPR-F1939
Order number	249308
Order name	RF Interface/720 FI720/RF/W2W

Building Safety. Building Security.



2831-CPR-F1939
2831-CPR-F2012



RF Expander FI720/RF/WE

The RF Expander FI720/RF/WE is used to increase the transmission range of a loop RF Interface FI720/RF/W2W or a conventional RF Interface FI720/RF/CWE to more than 3km. The expander serves as a gateway between the RF interface and the radio devices Series FI720/RF or Series FI700/RF.

The RF expander can communicate with up to 32 automatic detectors Series FI720/RF or manual call points, modules, sounders or strobes Series FI700/RF as well as 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
Protection class	IP51
Dimensions W × H × D	120 × 160 × 50 (mm, without antennas)
Colour	white
Weight	330g
Approvals	LPCB 928r/02 2831-CPR-F2012
Order number	249309
Order name	RF Expander/720 FI720/RF/WE