

# RF-Expander Conventional FI700

## FI700/RF/CWE

- **Connection via conventional detector line or independent operation**
- **Up to 32 detectors, modules or signalling devices can be controlled**
- **Configuration through 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/CWE serves as a gateway between radio devices Series FI700/RF and a fire detection control panel. The integrated relay is intended for transmitting the alarm via a conventional detector line. This allows connection to control panels of any manufacturer. Alternatively, an independent RF fire detection system without a link to a fire detection control panel can also be realised.

The RF interface can communicate with up to 32 automatic detectors, manual call points, modules, sounders or strobes. The device addresses are set by means of

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 15 RF expanders. In this way, a hierarchical RF system with up to 6 levels can be created.

A fault of an RF component is indicated by a flashing light emitting diode.

## Specifications

Operating voltage	9 - 29VDC
Current consumption at 24V	typ. 26mA (quiescent)
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	350g
Approvals	LPCB 928r/01 0832-CPD-1689
Order number	249265
Order name	RF-Expander Conventional/700 FI700/RF/CWE

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