FOBLOQF Remote Control

Highly Secure FM Keeloq

Features

- FM Remote Control System
- Keeloq™- High Security
- Range up to 150metres
- 1 -4 button versions
- Transmitter Waterproof to IP68
- 12 or 24Vdc Supply
- ‘Easy Learn’ up to 7 Transmitters
- Easy Installation via Screw Terminals
- Relay Changeover Outputs 5A @ 230Vac
- Momentary or Latching Outputs

Description

A highly secure general purpose remote control, which can be used for controlling many different applications.
The system utilises Keeloq code hopping protocol to ensure reliable operation.
Easy to install, the receiver is connected using standard ‘screw terminals’ provided. Power to the receiver is 12 or 24Vdc and the output(s) can switch up to 5A at 230Vac.
The receiver outputs operate when the transmitter switch is pressed. The outputs can be set to ‘momentary’ or ‘latching’ operation.
The system is supplied ready to ‘plug and play’, in addition a further 6 transmitters can be ‘learnt’ to the receiver.

Part Number	Description	Freq (MHz)
FOBLOQF-4S1	1 channel FOBLOQ system	433.92
FOBLQOF-4S2	2 channel FOBLOQ system	433.92
FOBLOQF-4S3	3 channel FOBLOQ system	433.92
FOBLOQF-4S4	4 channel FOBLOQ system	433.92

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Additional Transmitter Key fobs

Part No	Additional	FM Transmitters	Range
FOBLOQF-4T1	Transmitter Key fob 1 switch	433.92	150
FOBLQOF-4T2	Transmitter Key fob 2 switch	433.92	150
FOBLOQF-4T3	Transmitter Key fob 3 switch	433.92	150
FOBLOQF-4T4	Transmitter Key fob 4 switch	433.92	150

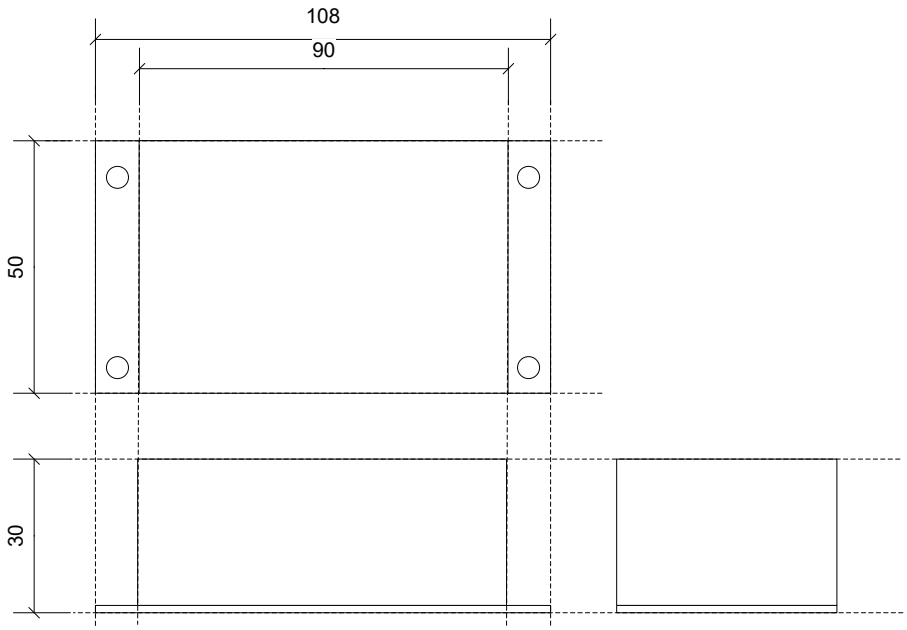
** Range stated is optimal, in some conditions this may be dramatically reduced.

Key fob dimensions:

(All dimensions in mm)

Enclosure dimensions:

(All dimensions in mm)



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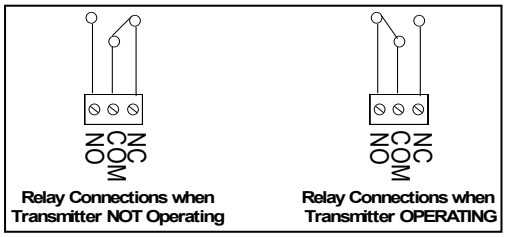
Data Outputs

Each output relay provides an isolated switch. Outputs 2 to 4 Connections are Common (COM) and Normally Open (NO) which close together when activated. Output 1 has an additional Normally Closed (NC) changeover contact.

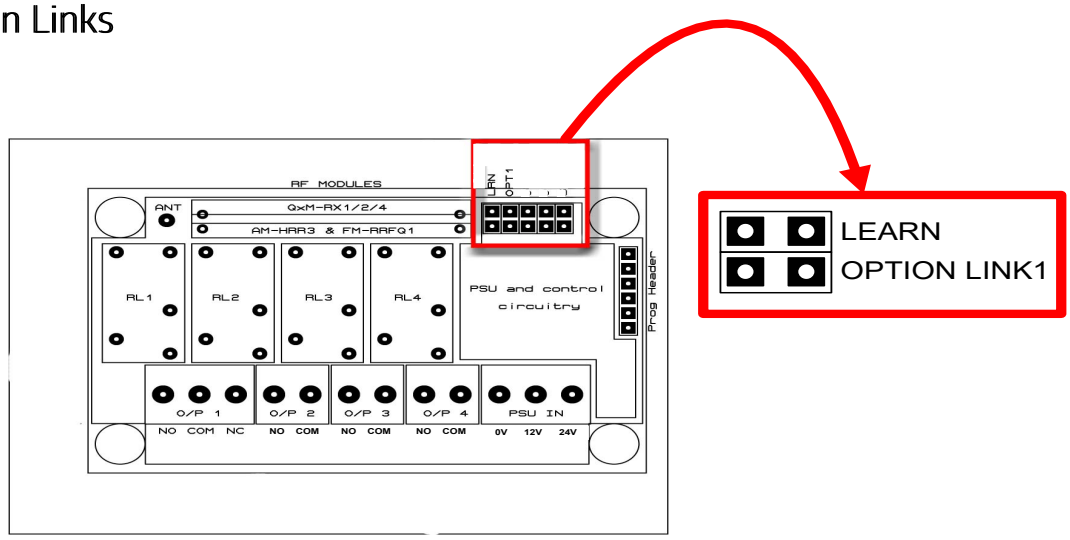


The action of the relay outputs is set by the Option link setting Jumper. A link is made / removed by the small shorting link 'cap' placed over the pin header.

Option Link 1 Fitted = Momentary Operation
Option Link 1 Not Fitted = Latching Operation

Please Note:
The relay contacts in this unit are for functional use only and must not be used for isolation purposes
WARNING When used to switching mains voltage this product must be installed by a competent electrician.

Option Links



Learning a New Transmitter Keyfob

Briefly short the two 'learn' pins on the receiver PCB, the receiver relays will click continuously.
Press any transmitter button once, the receiver relays will stop.
Press the same transmitter button again, the receiver relays will 'buzz' briefly.
After a short time delay for reset, this transmitter will operate the Receiver.

Erasing Existing Transmitters

Short the two learn pins on the receiver for 10 seconds then remove the short.
The receiver relays will 'buzz' briefly after the 10 seconds to indicate the Tx encoder(s) have been erased
NOTE: You can not erase individual Transmitters

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Technical Specifications

Fobloq Transmitter Key fob

Battery Type CR2032 (supplied)

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage	2.3	3	3.3	V
Supply Current : Quiescent		<1		uA
Supply Current : Transmitting		17		mA
Operating frequency		433.92		MHz
Output Power			10	dBm
Frequency Tolerance		60		KHz

Changing the battery

Remove the screw holding the back panel in place. Open the case and change the battery. Ensure you check the orientation.

Receiver Decoder
Dimensions **90mm (108mm incl Flange) x 53mm x 30mm**

ELECTRICAL CHARACTERISTICS		Min	Typical	Max	Units
Supply Voltage	**for +12Vdc** **for +24Vdc**	**11** **23**	**12** **24**	**13** **25**	**Vdc** **Vdc**
Supply Current:	**Quiescent** **All relays operating**		**14** **140**		**mA** **mA**

RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:

DO NOT
Discard with normal waste, please recycle.

ROHS Directive 2002/95/EC
Specifies certain limits for hazardous substances.

WEEE Directive 2002/96/EC
Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfills its WEEE obligations by membership of an approved compliance scheme.

Waste Batteries and Accumulators Directive 2006/66/EC
Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point.

Environment Agency producer registration number: WEE/JB0104WV.

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