Features

- FM Remote Control System
- Keeloq™- High Security
- Range up to 150 metres
- 1 -4 button versions
- Transmitter Waterproof to IP68
- 12 or 24Vdc Supply
- ‘Easy Learn’ up to 50 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 the highly secure 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 30 transmitters can be ‘learnt’ to the receiver.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Freq (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOBLOQF-4S1</td>
<td>1 channel FOBLOQ system</td>
<td>433.92</td>
</tr>
<tr>
<td>FOBLOQF-4S2</td>
<td>2 channel FOBLOQ system</td>
<td>433.92</td>
</tr>
<tr>
<td>FOBLOQF-4S3</td>
<td>3 channel FOBLOQ system</td>
<td>433.92</td>
</tr>
<tr>
<td>FOBLOQF-4S4</td>
<td>4 channel FOBLOQ system</td>
<td>433.92</td>
</tr>
</tbody>
</table>
FM Keeloq™

Additional Transmitter Key fobs

<table>
<thead>
<tr>
<th>Part No</th>
<th>Additional</th>
<th>FM Transmitters</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOBLOQF-4T1</td>
<td>Transmitter Key fob 1 switch</td>
<td>433.92</td>
<td>150</td>
</tr>
<tr>
<td>FOBLOQF-4T2</td>
<td>Transmitter Key fob 2 switch</td>
<td>433.92</td>
<td>150</td>
</tr>
<tr>
<td>FOBLOQF-4T3</td>
<td>Transmitter Key fob 3 switch</td>
<td>433.92</td>
<td>150</td>
</tr>
<tr>
<td>FOBLOQF-4T4</td>
<td>Transmitter Key fob 4 switch</td>
<td>433.92</td>
<td>150</td>
</tr>
</tbody>
</table>

** 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)
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.

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
**Technical Specifications**

**Fobloq Transmitter Key Fob**

**Battery Type**  
CR2032

**Changing the battery**

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

<table>
<thead>
<tr>
<th>ELECTRICAL CHARACTERISTICS</th>
<th>MIN</th>
<th>TYPICAL</th>
<th>MAX</th>
<th>DIMENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>11 Vdc</td>
<td>12 Vdc</td>
<td>13 Vdc</td>
<td>mA</td>
</tr>
<tr>
<td>for +12Vdc</td>
<td>23 mA</td>
<td>24 mA</td>
<td>25 mA</td>
<td>mA</td>
</tr>
<tr>
<td>for +24Vdc</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply Current:</td>
<td>14 mA</td>
<td>140 mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quiescent</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All relays operating</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Receiver Decoder**

Dimensions  
90mm (108mm incl Flange) x 53mm x 30mm

**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. fulfils 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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