16Km LoRa Radio Telemetry Modules

Features
- Upto 16km range line of sight
- FSK & LoRa Spread Spectrum
- 2 x Closed Contact Inputs
- 2 x Relay Switch Outputs
- Add-on Input/ Output channels
- Expandable to 16 I/P’s and 32 O/P’s
- All Signals ‘Acknowledged’
- Watchdog Feature
- Walk / Range test Mode
- Many to Many Operation
- 12-32Vdc Supply
- LED Bar graph Signal indicator
- Easy ‘Plug and Play’ Installation
- 868MHz Version CE compliant
- 915MHz FCC Certified

Applications
- Industrial Telemetry
- Remote Monitoring & Control
- Reliable Remote Switch

The 725TRX telemetry system provides bi-directional, transceiver, remote Switch System. Each module has two switch inputs and two relay changeover contact outputs. When two or more modules are paired together the relay outputs will follow the state changes of the other modules’ Inputs.

Additional input / output modules can be connected to provide extra inputs/outputs. The system inputs / outputs can be used in various ways and also with a hand held keyfob or alternative handset.

All signals are acknowledged and a watchdog feature provides a system “Alive” indication. This is automatic, allowing the user to simply connect to the screw terminals and achieve a reliable telemetry link.
725 Series

Products Overview

725TRX Transceiver
- Range up to 16Km line of sight.
- Self Contained Telemetry Transceiver
- 2 No volt inputs
- 2 Relay Outputs
- 1 Relay Watchdog output for Failsafe Operation
- All Connections via screw terminal
- Supply Voltage 12-32Vdc
- Supplied with antenna

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>725-TRX8-1K</td>
<td>868MHz Transceiver +13dBm</td>
<td>1km</td>
</tr>
<tr>
<td>725-TRX8-16</td>
<td>868MHz Transceiver +20dBm</td>
<td>16km</td>
</tr>
<tr>
<td>725-TRX9-1K</td>
<td>915MHz Transceiver +13dBm</td>
<td>1km</td>
</tr>
<tr>
<td>725-TRX9-16K</td>
<td>915MHz Transceiver +20dBm</td>
<td>16km</td>
</tr>
</tbody>
</table>

* Range is quoted optimum LOS.

725-IP Additional 4 Switch Inputs
- Provides 4 additional inputs
- Connects Directly to 725TRX.
- Connecting ribbon cable supplied.
- Up to 16 725-IP may be Daisy Chained together.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725-IP</td>
<td>4 input Add-on Module</td>
</tr>
</tbody>
</table>

725-OP Additional 4 Relay Output board
- 4 Changeover Relay Outputs.
- Connecting ribbon cable supplied.
- Up to four 725-OP’s can be Daisy Chained.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725-OP</td>
<td>4 Output Add-on Module</td>
</tr>
</tbody>
</table>

725-DOP 8 Channel Output board
- 8 Digital outputs for direct relay/contactor drive
- 0-30V operation range.
- 6A per channel.
- Connecting ribbon cable supplied.
- Up to four 725-DOP8 can be Daisy Chained.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725-DOP8</td>
<td>8 Output Add-on Module</td>
</tr>
</tbody>
</table>
Overview of Features

725TRX has many ‘optional’ features. These are summarised below and explained in detail later in this document.

Auto or Manual Pairing: Modules can be auto paired together in banks or any individual input can be paired to any individual output(s).

WATCHDOG: This is a relay contact which is held ‘ON’ as long as the Auto TX signal is received.

RF Mode: Time of operation can be traded with system range. For standard FM operation the outputs operate within 30 milliseconds, when LORA (Long Range) is enabled the time delay can be a couple of seconds. (16K version only)

OUTPUTS: The outputs can be set to Momentary/Latching /Timed.

Additional Modules: Additional Input and Output modules or a combination of both can be connect (max 4 input or output boards of any type).

Note: When using more than 2 output boards VCC must be connected to the 725-OP boards.
Creating a Telemetry System using Two 725 TRX’s

Follow these Steps:
1. Connect to screw Terminal Inputs.
2. Connect to screw Terminal Outputs.
3. Pair Together 725TRX Modules A and B.
5. Optional configuration: Auto TX / TIMERS / WATCHDOG / MODE.

Pairing

Factory Default Status:
In Factory default Input / Output LEDs flash Red/Green alternately

To AUTO-PAIR A to B:
1. Press and release the PAIR button on the 725TRX B.
2. The pair and all relay output LED’s will flash on 725TRX B.
3. Activate ANY input on 725TRX A.
4. All flashing LEDs on 725TRX B relays will go out. The PAIR LED will flash quickly for 2 seconds.
5. Pairing Complete

To PAIR A Input 1 to B Output 2:
1. Press and release the PAIR button on the 725TRX B to enter pair mode. Press and release the PAIR button to cycle through LED’s until only the LED above Relay 2 is Flashing.
2. Activate input 1 on 725TRX A.
3. All flashing LEDs on 725TRX B relays will go out, the PAIR LED will flash quickly for 2 seconds.
4. Pairing Complete

Please Note:
1. Manual pair will not work when auto pair has been used.
2. The max no of pairings is 32, this applies to individual inputs (or buttons on keyfob)
   E.g. a single 725-TRX can learn 32 individual 1 button FOBBER Keyfobs, or 8, 4 button FOBBER Keyfobs.
Pairing a hand held transmitter

**To AUTO-PAIR a hand held transmitter:**
1. Press and release the PAIR button on the 725TRX.
2. The pair and all relay output LED’s will flash on 725TRX.*
3. Activate ANY button on your transmitter.
4. All flashing LEDs on 725TRX relays will go out. The PAIR LED will flash quickly for 2 seconds.
5. Auto-Pair is Complete

*Note:* *To Auto-Pair an output board you need to press the Pair button again and repeat until the desired 725-OP LEDs are flashing then continue from step 3.

**To PAIR a hand held transmitter button to Relay 2:**
1. Press and release the PAIR button on the 725TRX to enter pair mode. Press and release the PAIR button to cycle through LED’s until only the LED above Relay 2 is Flashing
2. Activate your chosen button on your transmitter.
3. All flashing LEDs on 725TRX relays will go out. The PAIR LED will flash quickly for 2 seconds.
4. Pairing is Complete

*Note:* *To Pair an output board relay, you need to press the Pair button and repeat to cycle through LED’s until only the LED above the desired 725-OP relay is flashing then continue from step 2.

**Please Note:** Manual pair will not work when auto pair has been used.

Erasing

**Reset to Factory Default Setting:**

The 725TRX may be reset to Factory default at any time by pressing the PAIR button for 15 seconds.

**Erasing Everything (reset to Factory Default):**
1. Apply power
2. Press and hold the PAIR button for 15 seconds, the PAIR LED will flash slow then fast.
3. Release the PAIR button.
4. 725-TRX now reset to Factory Default

**ERASE Individual Transmitters:**
1. Apply power
2. Press and hold the PAIR button for 10 seconds, the PAIR LED will flash slow as soon as this happens release the PAIR button.
3. Press any button on the transmitter to be erased.
4. The 725-TRX will exit to normal operating mode and the transmitter will be erased.
INPUTs Status LEDs
Inputs are activated by a closed contact switch.
When the status of any input is changed 725TRX immediately broadcasts the status (of all inputs).
After receiving the transmitted RF signal, the paired 725TRX Transceiver(s) respond with an ACKNOWLEDGE RF Signal.
When the ACKNOWLEDGE signal is received back by the transmitting 725TRX it will be indicated on the input LED's.

<table>
<thead>
<tr>
<th>LED</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED/GREEN</td>
<td>Alternating</td>
</tr>
<tr>
<td></td>
<td>Input is not paired with any output</td>
</tr>
<tr>
<td>GREEN LED</td>
<td>Status of Input</td>
</tr>
<tr>
<td>ON</td>
<td>Input Active / ON</td>
</tr>
<tr>
<td>OFF</td>
<td>Input Inactive / OFF</td>
</tr>
</tbody>
</table>

OUTPUTs Status LEDs
When the receiving 725TRX gets a valid signal from a paired device it will activate an output.
The status of active relays will be displayed on their corresponding LED's.

<table>
<thead>
<tr>
<th>LED</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED/GREEN</td>
<td>Alternating</td>
</tr>
<tr>
<td></td>
<td>Output is not paired with any input</td>
</tr>
<tr>
<td>GREEN LED</td>
<td>Status of Output</td>
</tr>
<tr>
<td>ON</td>
<td>Relay is Active / ON</td>
</tr>
<tr>
<td>OFF</td>
<td>Relay is Inactive / OFF</td>
</tr>
<tr>
<td>RED LED</td>
<td>Feedback from Receiver</td>
</tr>
<tr>
<td>Flashing</td>
<td>Ready to pair</td>
</tr>
</tbody>
</table>
MOMENTARY/LATCHING setting links

Each Relay Output can be individually pre-set to Momentary/Latching by fitting or removing the Link Headers

<table>
<thead>
<tr>
<th>Link fitted</th>
<th>LATCHING</th>
<th>Output changes state on each Transmit signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Link Removed</td>
<td>MOMENTARY</td>
<td>Output operates for duration of Transmit signal</td>
</tr>
</tbody>
</table>

**TIMER (Setting an Output Time Delay)**

Setting a Timed Output:
1. Briefly press the TIMER Switch.
2. The TIMER and first relay output LED’s will flash.
3. Press the TIMER switch again to scroll through relays until the chosen relay LED is flashing.
4. Wait until the chosen relay LED is on constantly.
5. Now Each press of the timer button will increase the timer delay in line with the TIMER OUTPUT Table Displayed on the signal strength LED’s.
6. When you have selected the required delay, wait 3 seconds.
7. The Red TIMER LED will Stop flashing to show that the setting is saved

*Note:* Settings are saved even after power is removed.

*Note:* When zero LED’s are lit the relays will operate as per the Momentary/Latching links.

<table>
<thead>
<tr>
<th>LED</th>
<th>Timer Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>60 min</td>
</tr>
<tr>
<td>7</td>
<td>30 min</td>
</tr>
<tr>
<td>6</td>
<td>10 min</td>
</tr>
<tr>
<td>5</td>
<td>1 min</td>
</tr>
<tr>
<td>4</td>
<td>30 sec</td>
</tr>
<tr>
<td>3</td>
<td>10 sec</td>
</tr>
<tr>
<td>2</td>
<td>5 sec</td>
</tr>
<tr>
<td>1</td>
<td>1/2 sec</td>
</tr>
<tr>
<td>0</td>
<td>Mom</td>
</tr>
</tbody>
</table>

Erase ALL Timers:
1. Press and hold the TIMER button for 10 seconds,
2. Whilst held the TIMER LED will turn on and then flash fast.
3. When the LED flashes fast release the timer button the erase is complete
4. 

*Note:* When setting a Time Delay; If the Jumper Link is Removed the Time delay will restart on each transmission regardless of output status.

If the Jumper Link is Fitted, the Time delay output Will Latch OFF / ON Timed with each transmission.
RF Mode of Operation

The 725 Transceivers can be configured to operate as standard FSK or LoRA Modes.

**FSK** = (FM) fixed frequency Carrier Frequency

**LoRA** – Long Range Spread Spectrum Frequency Hopping Protocol.

FSK: provides a fast Time of operation and is compatible with all other RF Solutions products at this frequency.

LoRA can be set to one of several modes of operation where the time of operation is extended but so also is the range.

<table>
<thead>
<tr>
<th>LED</th>
<th>Mode</th>
<th>Typical RF Transmit Packet Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>LORA 7</td>
<td>1.28 Seconds</td>
</tr>
<tr>
<td>7</td>
<td>LORA 6</td>
<td>640 mSecs</td>
</tr>
<tr>
<td>6</td>
<td>LORA 5</td>
<td>320 mSecs</td>
</tr>
<tr>
<td>5</td>
<td>LORA 4</td>
<td>160 mSecs</td>
</tr>
<tr>
<td>4</td>
<td>LORA 3</td>
<td>80 mSecs</td>
</tr>
<tr>
<td>3</td>
<td>LORA 2</td>
<td>40 mSecs</td>
</tr>
<tr>
<td>2</td>
<td>LORA 1</td>
<td>20 mSecs</td>
</tr>
<tr>
<td>1</td>
<td>FSK</td>
<td>20 mSecs</td>
</tr>
</tbody>
</table>

To Set the Mode of operation
1. Press the MODE button momentarily the MODE LED will flash.
2. Repeat press the MODE button until the chosen LED / Mode is selected

Walk / Range Test

1. Press and hold the WatchDog button on the Transmitter for 5 seconds.
2. 725TRX emits a special Test transmission every second.
3. Any 725TRX will display the received Beacon on the signal strength LED bar graph.
4. An acknowledge will be sent back to the originating 725TRX by any paired 725TRX which will also display on its signal Strength LED bar graph.
5. When activated on a paired transmitter, LEDs 1-8 on both devices will show signal strength - the more LEDs flashing, the better the signal.

**Notes:** For reliable communications we recommend 3 or more LED’s are illuminated.
Watchdog
This feature provides a System “Alive” failsafe function between Two 725TRX modules. When Watchdog is enabled a 725TRX automatically transmits a background Radio signal. Any paired 725TRX receiving an RF packet from another paired 725TRX it will activate its “Watchdog relay”. As long as the Watchdog relay is active the Radio signals are being received and working correctly.

Enable a Watchdog Transmit
Briefly press the WDOG button, WDOG LED is illuminated and Watchdog transmissions will be activated. Repeat press the WDOG Button to select a Watchdog time interval

<table>
<thead>
<tr>
<th>LED</th>
<th>WDOG Tx Interval</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>25 sec</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>45 sec</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>65 sec</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2 min</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>10 min</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>20 min</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>60 min</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>120 min</td>
<td></td>
</tr>
</tbody>
</table>

Watchdog Relay Output
The watchdog relay will automatically be activated whenever an RF signal from a paired transmission is received (the WDOG button does not need to be pressed to receive). As long as an RF signal is received from a paired 725TRX within the timeout period, then the Watchdog relay will be maintained “ON”. If an RF signal is not received within the watchdog Timeout period then the Watchdog relay will relax indicating a problem!

<table>
<thead>
<tr>
<th>LED</th>
<th>Watchdog Timeout</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>80 sec</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>135 sec</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>195 sec</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>6 min</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>30 min</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>60 min</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>180 min</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>360 min</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. We recommend that the receiving 725 allows for at least 3 Auto TX time periods
2. The 725-TRX will need to be paired in both directions for both watchdog relays to operate. A 725-TRX can only receive a watchdog signal when paired as a receiver.
3. When using Lora and Watchdog. Ensure that the Auto Tx Signal interval allows enough time for the Lora signal to transmit!
Additional Input / Output Modules

Upto 4 Input and 4 Output modules can be added (16 inputs and 16 outputs (725-OP) 32 outputs (725-DOP8) max).
Cables are supplied to enable the modules to plug and play.
Once the Address Links are selected, no other configuration is required the add on modules function as an extension of the 725TRX Module.

725-IP Additional 4 Inputs Module

725-OP Additional 4 x Output Relays Module
The 725-DOP8 module provides 8 Switching Outputs. For each output, the +ve screw terminal is directly connected to the Power Supply +ve Voltage. When the output is activated the "SW" Screw Terminal is switched to GND.

The power supply for this module can be up to 30Vdc @6A enabling this module to switch higher voltages (e.g. contactors, PLC, or other switching logic)

725-DOP8 Output Schematic
Connecting Add-on Input / Output Modules

Address settings:
Each module must have a unique address set by the Address jumpers (it doesn't matter what the address is)

Note: outputs will cycle in address order for pairing, timers and erasing.

Connect to 725TRX:
Connect to the 725TRX or previous I/O module using the ribbon cable provided

Note: When connecting more than one 725-OP module the power must be connected directly to the 725-OP module screw terminals.

Application Example A to B Telemetry

The outputs of 'B' follow the inputs of 'A'

Application Example A to B and B to A Telemetry
725 Series

Application Example using Multiple Add-on Modules

In this below example:

‘A’ inputs are paired directly with ‘B’ Outputs
‘B’ inputs are paired directly with ‘A’ Outputs
More Advanced Example - using Multiple Transceiver Modules

Application Example:
In the example below
‘A’ input 1 is paired with ‘B’ Output2
‘A’ input 2 is paired with ‘C’ output 1
‘B’ input 2 is paired with ‘C’ output 2

A

B

C
725 Series

Optional Component Parts / Spares

ENC-DA3 enclosure:
- IP65 rated DIN rail enclosure
- 12V volt PSU
- 305mm X 220mm X 125mm
- Premade Back plate with DIN Rail Mount
- Easy clip fit for 700 series products

12V1A-IN-IP:
- IP67 rated PSU
- 12V volt
- 1Amp

CBA-SMAMR-SMAF:
Used for externally mounting an antenna
- SMA Male Right Angle
- 2. SMA Female Bulkhead Straight

ANT-GSM5WM:
- Wall mount antenna
- 3m cable
- Wall Mount Whip Antenna
- 824-960
- Active gain: +5dB
- RG58 Connecting Lead
725 Series

Technical Specifications

Transceiver: 725-TRX
Dimensions: 136 x 78 x 42 mm
Storage Temperature: -10 to +70°C Celsius.
Operating Temperature: -10 to +50°C Celsius.

<table>
<thead>
<tr>
<th>Electrical Characteristics</th>
<th>Min</th>
<th>Typical</th>
<th>Max</th>
<th>Units</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>12</td>
<td></td>
<td>32</td>
<td>Vdc or ac</td>
<td>1</td>
</tr>
<tr>
<td>Frequency:</td>
<td>869.500</td>
<td></td>
<td>915</td>
<td>MHz</td>
<td></td>
</tr>
<tr>
<td>RF Output Power (ERP) @ 869.50 MHz</td>
<td>-</td>
<td>100</td>
<td></td>
<td>mW</td>
<td></td>
</tr>
<tr>
<td>Supply Current : Quiescent</td>
<td>45</td>
<td>+101</td>
<td>+25</td>
<td>mA</td>
<td>2</td>
</tr>
<tr>
<td>All output relays operating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Watchdog relay operating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>When transmitting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Input Module: 725-IP
Dimensions: 68 x 78 x 42 mm
Storage Temperature: -10 to +70°C Celsius.
Operating Temperature: -10 to +50°C Celsius.

<table>
<thead>
<tr>
<th>Electrical Characteristics</th>
<th>Min</th>
<th>Typical</th>
<th>Max</th>
<th>Units</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>N/A</td>
<td></td>
<td></td>
<td>V</td>
<td>1</td>
</tr>
<tr>
<td>Supply Current</td>
<td>15</td>
<td></td>
<td></td>
<td>mA</td>
<td></td>
</tr>
</tbody>
</table>

Output Module: 725-OP
Dimensions: 136 x 78 x 42 mm
Storage Temperature: -10 to +70°C Celsius.
Operating Temperature: -10 to +50°C Celsius.

<table>
<thead>
<tr>
<th>ELECTRICAL CHARACTERISTICS</th>
<th>Mode</th>
<th>Min</th>
<th>Typical</th>
<th>Max</th>
<th>Units</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>12</td>
<td>N/A</td>
<td>32</td>
<td>V</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Relay Rating* (230Vac) RLY 1-4</td>
<td>5</td>
<td></td>
<td>A(rms)</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Time delay from Tx on Switch to Rx Relay operation</td>
<td>FSK</td>
<td>30</td>
<td>30-1500</td>
<td>mS</td>
<td>mS</td>
<td></td>
</tr>
<tr>
<td>LORA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time delay from Tx sw relax to Rx Relay release</td>
<td>FSK</td>
<td>30</td>
<td>30-1500</td>
<td>mS</td>
<td>mS</td>
<td></td>
</tr>
<tr>
<td>LORA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply Current : Quiescent</td>
<td>12</td>
<td>+90</td>
<td>mA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All relays operating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Output Module: 725-DOP8
Dimensions: 90 x 78 x 42 mm
Storage Temperature: -10 to +70°C Celsius.
Operating Temperature: -10 to +50°C Celsius.

<table>
<thead>
<tr>
<th>Electrical Characteristics</th>
<th>Min</th>
<th>Typical</th>
<th>Max</th>
<th>Units</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>0.1</td>
<td>N/A</td>
<td>30</td>
<td>V</td>
<td>3</td>
</tr>
<tr>
<td>Supply Current per channel operating</td>
<td>6</td>
<td>7</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quiescent current</td>
<td></td>
<td></td>
<td>mA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. No direct power connection is required. The power is derived directly from 725-868 ribbon cable
2. The relay contacts in this unit are for functional use only and must not be used for isolation purposes
3. The supply input voltage is the output voltage for all outputs on the board.
Important European compliance information
This RF Solutions product meets the essential requirements of the European Radio Equipment Directive 2014/53/EU and has been tested to European Harmonised Standards and CE marked accordingly. A copy of the EU Declaration of Conformity can be located on the RF Solutions Website, www.rfsolutions.co.uk/certification-i59.

RF Solutions Ltd. Recycling Notice
Meets the following EC Directives:
DO NOT Discard with normal waste, please recycle.
ROHS Directive 2011/65/EU and amendment 2015/863/EU
Specifies certain limits for hazardous substances.
WEEE Directive 2012/19/EU
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. Environment Agency Registration Number WEE/JB0104WV

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