# Remote Control System

## Features:

- Up to 150m Range

- 868MHz FM Technology

- 1 – 4 Channels each 1000W

- Waterproof Receiver (IP68)

- High Security RF Protocol

- 2 / 4 Changeover Relays Contacts Rated 5A @ 230Vac

- 6-32Vdc/ac 230Vac versions Available

- Outputs Momentary or Latching

- Any Switch Map to Any Relay

- Systems supplied 'ready to Go'

- 1 Fobber per system

- FCC Certified and CE Compliant

- Maximum 30 Button Pairings

## Intended Use

- Commercial/Industrial Remote Control
- Electric Gates
- Roller Shutter Doors

## Description

A versatile general purpose Remote Control System for many different applications. Housed in a rugged IP68 weatherproof enclosure, The new HORNETPRO system is Ideally suited to any remote switch requirement. With up to 4 changeover Relay switch outputs each output can be controlled from any switch on any transmitter. Additional transmitters may be added to the system using the same 'easy-learn' process without opening the enclosure.

Installation is by screw terminals to the power supply and the output relay contacts. The output relays are activated by the button press on the transmitter encoder.

# HORNETPRO

## Systems Part Numbers

| Part Number | Description | Power Supply |
|---|---|---|
| HORNETPRO-8S1 | 1 channel System | 6-32Vac/dc |
| HORNETPRO-8S2 | 2 channel System | |
| HORNETPRO-8S3 | 3 channel System | |
| HORNETPRO-8S4 | 4 channel System | |

| Part Number | Description | Power Supply |
|---|---|---|
| HORNETPRO-8S1M | 1 channel System | 230Vac |
| HORNETPRO-8S2M | 2 channel System | |

## Additional Transmitters

| Part Number | Description | Range* |
|---|---|---|
| FOBBER-8T1 | 1 Sw | 150m |
| FOBBER-8T2 | 2 Sw | 150m |
| FOBBER-8T3 | 3Sw | 150m |
| FOBBER-8T4 | 4 Sw | 150m |
| FOBBER-8T6 | 4 ch 6 Sw | 150m |
| FOBBER-8T8 | 8 Sw | 150m |
| FOBBER-8TL1 | 2 button 1ch ON/OFF | 150m |
| FOBBER-8TL2 | 4 button 2ch ON/OFF | 150m |

**Range stated is optimum, direct line of sight. In worst conditions this can be reduced by over 50%

## Additional Receivers

| Part Number | Description | Power Supply |
|---|---|---|
| HORNETPRO-8R4 | 4 ch Receiver | 6-32Vdc |
| HORNETPRO-8R2M | 2 ch Receiver | 230Vac |

## Custom Systems

Fobber keyfobs can be customised with logo, colour or complete custom plastic housing for unique Branding. Please contact Sales for further info.

DS-HORNETPRO-5

# HORNETPRO

## Technical specifications

### Transmitters: FOBBER Transmitter

Enclosure Rating: Standard IP68
Battery Type: CR2032 (supplied)
Battery Life: 2 years @ approx. 50 1/2second presses p/day
Dimensions: 59 x 33 x 9 mm

| Electrical Characteristics | Min | Typical | Max | Units |
|---|---|---|---|---|
| Supply Voltage | 2.9 | 3 | 3.3 | V |
| Supply Current | | 17 | | mA |
| Frequency: | | 869.50 | | MHz |
| RF Output Power (ERP) | - | | 10 | mW |
| RF Bandwidth | | 60 | | KHz |

### Receiver Unit

Enclosure Rating: IP68
Dimensions: 130 x 112 x 42 mm (not including antenna)
Operating Temperature: -10 to +50° Celsius.

| Electrical Characteristics | MIN | TYPICAL | MAX | DIMENSION |
|---|---|---|---|---|
| Supply Voltage for Low Voltage version | 6 | | 32 | Vdc or ac |
| Supply Voltage for high  Voltage version | | 230 | | Vac |
| Relay Rating* | | 5 | 12 | A |
| Supply Current :          Quiescent<br>                    All (4) relays operating* | | 25<br>140 | | mA |
| Time delay from Tx on Switch to Rx Relay operation | | 30 | | mS |
| Time delay from Tx sw relax to Rx Relay release | | 30 | | mS |

*The relay contacts in this unit are for functional use only and must not be used for isolation purposes

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## Mechanical Dimensions



All Dimensions in mm

3 x slots
4.5 x 13mm

50.00

46.00

59.00

10.00

82.00

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80

76

4

20

100

96

SW1
SW2
LRN
SPI

NO COM NC RLY1
NO COM NC RLY2
NO COM NC RLY3
NO COM NC RLY4
+V POWER 12V-32V 0V

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MOM/LAT
RX
ACK
LRN
SERIAL

SHUTTLE-R4-1
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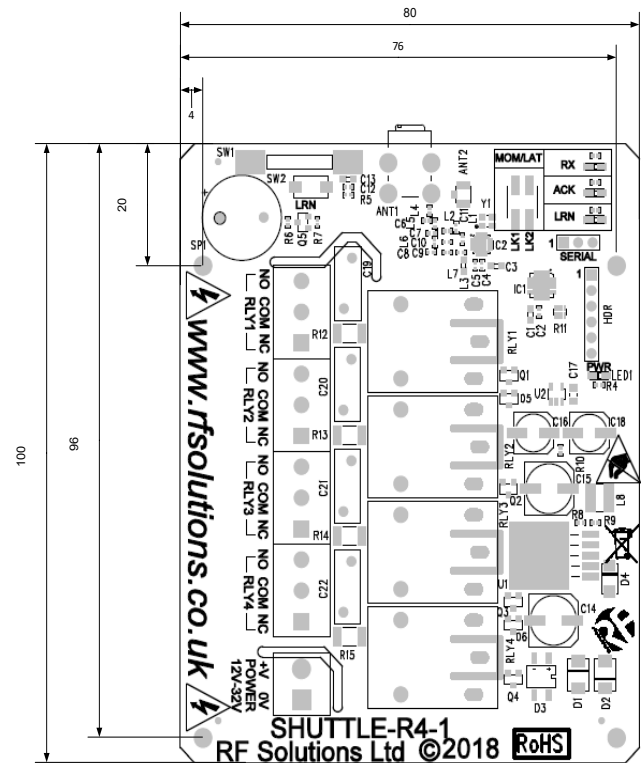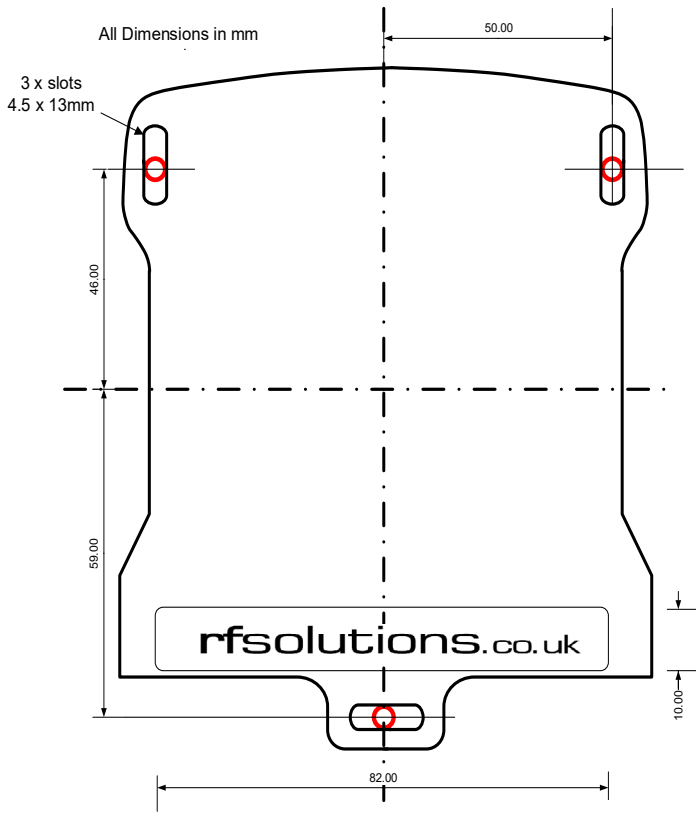
Measurements in mm drawing not to scale

### 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**

### Waste Batteries and Accumulators Directive 2006/66/EC
Where the batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point. RF Solutions battery producer number **BPRN00060.**

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