



## Remote Control System

### Features:

- Up to 100m Range
- 433MHz FM Technology
- 1,2 & 4 Channels, each 1000W
- Splashproof Transmitter (IP54)
- Waterproof Receiver (IP68)
- High Security RF Protocol
- Up to 4 Changeover Relays  
Contacts Rated 5A @ 230Vac
- Outputs Momentary or Latching
- Any Switch Map to Any Relay
- Systems supplied 'Ready to Go'
- FCC Certified and CE Compliant

### Intended Use

- Commercial/Industrial Remote Control
- Electric Gates
- Roller Shutter Doors
- Garden Lighting, Sports Grounds



### Description

A versatile general purpose Remote Control System for many different applications. With the receiver housed in a rugged IP68 weatherproof enclosure, the QUANTA system is ideally suited to many remote control requirements.

The output relays are activated by the button press on the transmitter.

Each relay output can be controlled from any switch(es) on any QUANTA transmitter. Additional transmitters may be added to the system using the same 'easy-learn' process without opening the receiver enclosure.

# QUANTA Remote Control



## Systems Part Numbers

Part Number	Description	Power Supply
QUANTA-4S1	1 Channel System	6-32Vac/dc
QUANTA-4S2	2 Channel System	
QUANTA-4S4	4 Channel System	



## Additional Transmitters



Part Number	Description	Range*
QUANTA-4T1	1 Switch	100m
QUANTA-4T2	2 Switch	100m
QUANTA-4T4	4 Switch	100m
QUANTA-4T8	8 Switch	100m
QUANTA-4T16	8 x 2 Switch	100m

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



## Custom Systems

QUANTA Transmitters can be customised with logo, colour or complete custom plastic housing for unique Branding.

Please contact Sales for further info.

# QUANTA Remote Control



## Technical specifications

### Transmitter

Enclosure Rating: IP54 Splashproof  
 Battery Type: CR2032 (supplied)  
 Battery Life: 2 years @ approx. 50 1/2second presses p/day  
 Dimensions: 90 x 65 x 13 mm (at widest point)

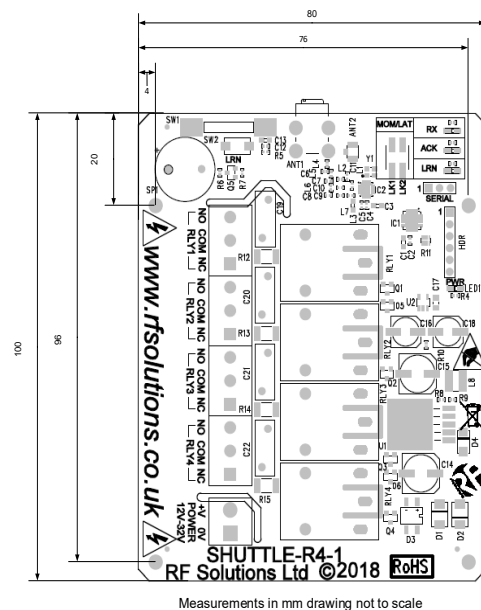
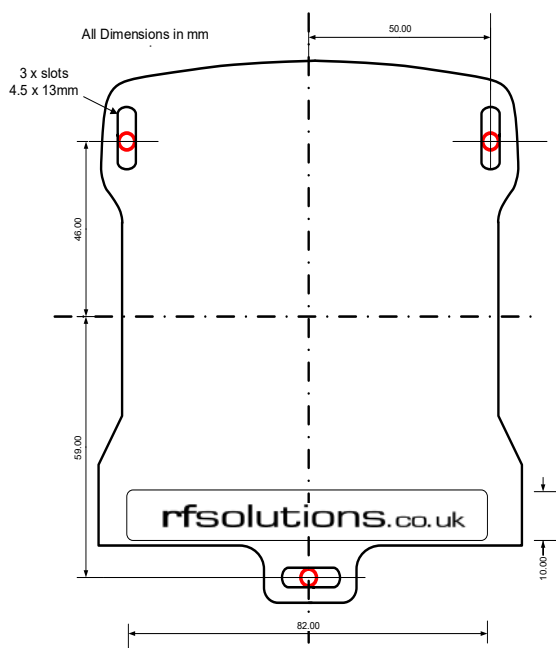
Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage	2.9	3	3.3	V
Supply Current		17		mA
Frequency		433.92		MHz
RF Output Power (ERP)	-		+10	dBm
RF Bandwidth		60		KHz

### Receiver Unit

Enclosure Rating: IP68 Waterproof  
 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
Relay Rating*		5	12	A
Supply Current :				
Quiescent		25		mA
All (4) relays operating*		140		mA
In FlipFlop mode		75		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

## Mechanical Dimensions



Measurements in mm drawing not to scale

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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 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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