

- Complete Remote Control System
- 4 Channels
- 12Vdc Supply
- Secure Learning Protocol
- 'Easy Learn' Feature
- Easy Installation Ready to Operate.
- Up to 30 Transmitters per System
- Relay Outputs upto 3A
- Momentary or Latching Outputs
- Robust Enclosure
- Range up to 30 Metres



Description

A versatile general purpose remote control, which can be used for controlling many different applications. Supplied ready to go, the receiver contains four switching relays with wires supplied for connection to users' application. Power to the receiver is 12Vdc and the output(s) can switch up to 3A at 230Vac. The receiver outputs operate when the transmitter switch is pressed. The outputs can be set to 'momentary' or 'latching' operation.

The Transmitter incorporates a secure 'sliding Cover' to protect the switches when not in use.



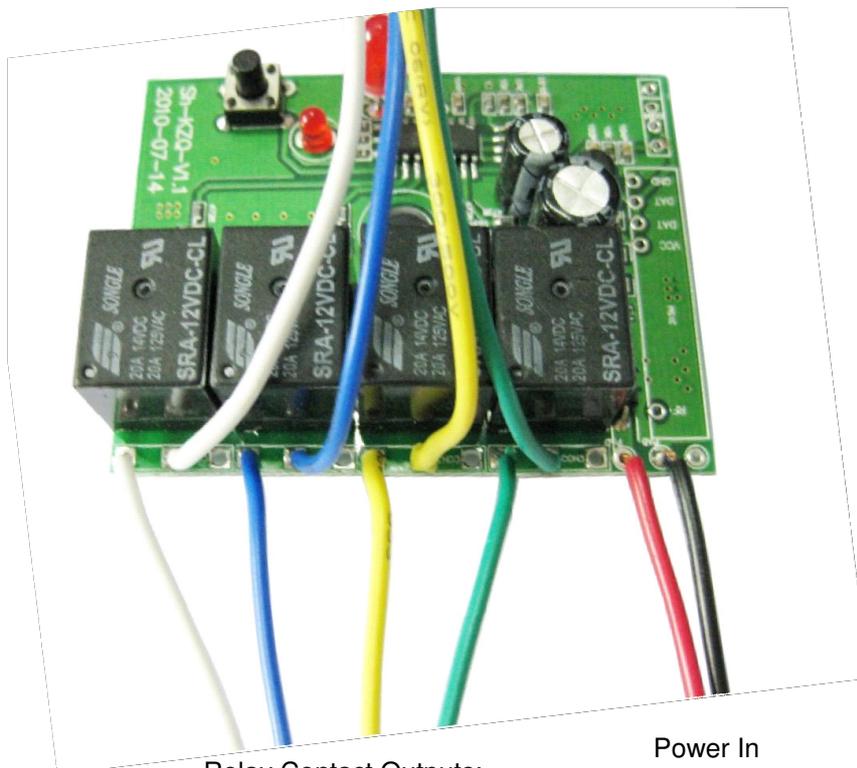
Transmitter Showing Sliding Cover

Part Numbers

Part Number	Description	Freq (MHz)	Range** (Metres)
BRIGHTON-S4	AM System 4 Channel	433.92	30
BRIGHTON-TX4	Additional Transmitter Keyfob 4 switch		

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

Output Connections



Relay Contact Outputs;
 Relay1 = White
 Relay2 = Blue
 Relay 3 = Yellow
 Relay 4 = Green

Power In
 Red=12V BLK=GND

Each output relay provides an isolated switch.

Latching / Momentary outputs

Latching = The relay outputs will operate and stay operated until the user presses the transmitter button again

Momentary= The relay outputs will operate for the duration of the transmitter button press only

To switch between Latching and Momentary mode press and hold the transmitter buttons A and B simultaneously;

LED2 flashes once = Latching operation

LED2 Flashes Twice = Momentary operation

Erasing Existing Transmitters

1. Press and hold S1 for 10seconds, LED2 will light for 10seconds, then LED1 will flash five times, confirming erasure.

NOTE: You can not erase individual Tx encoders

Learning a New Transmitter Keyfob Switch

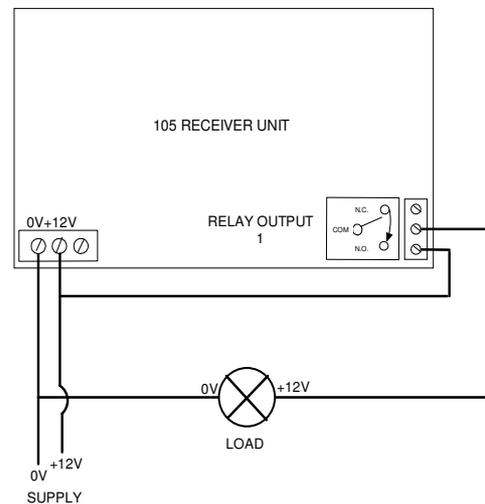
1. Briefly press S1, LED1 will flash for five seconds
2. Within this five second period, (press any button on the keyfob to learn, LED1 will flash once to acknowledge
3. This step may be repeated for more keyfobs (press any button on the next keyfob to learn, LED1 will flash once to acknowledge again)
4. After the last transmitter button is received LED1 will extinguish (and exit learn mode) after five seconds.

EDED

Connecting a Relay output to an Application

Below is a simple example showing one possible way to wire a relay in order to give switched power to an external load:

When the relay is energised the 'COM' connects to 'NO' and power is applied to the Load.



Pairing a Transmitter to a Receiver

Each transmitter has a unique identity. Each time a switch is pressed, the transmitter emits a highly secure RF signal (appears as a random encrypted data stream). The Receiver can learn this encrypted signal and allocate to an output.

Any transmitter switch may be paired to one or many of the receiver's outputs, or a transmitter single switch may be paired to any number of receiver's outputs to enable a powerful and flexible remote control system.

The only limitation is that each receiver has a maximum capacity of 30 pairings, these can be from the same or any number of transmitters.

Hint: the same transmitter may be taught to any number of receivers to create 'master keys'.

Technical Specifications

Transmitter Keyfob

Battery Type GP27 (supplied)

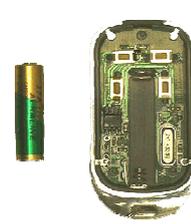
Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage	8.5	9	16	Vdc
Supply Current : Quiescent		0		mA
Supply Current : Transmitting		8		mA
Operating frequency		433.92		MHz

Receiver Decoder

Dimensions 65mm x 50mm x 30mm

ELECTRICAL CHARACTERISTICS	MIN	TYPICAL	MAX	DIMENSION
Supply Voltage for +12Vdc	11	12	14	Vdc
Supply Current: (Quiescent)		6		mA
Relay Contact Rating			15A 10A 3A	@ 14Vdc @ 120Vac @ 240Vac
Receiver Sensitivity	-105			dBm
Operating Temperature	-40		80	DegC

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