LEWES REMOTE CONTROL SYSTEM

- Complete Remote Control System
- 4 Channels
- 12 / 24Vdc Supply
- High Security KEELOQ CODE HOPPING Protocol
- 'Easy Learn' Feature
- Easy Installation Via Screw Terminals.
- Up to 7 Transmitters per System
- Relay Outputs 5A @ 230Vac
- Momentary or Latching Outputs
- Robust Enclosure
- Requires No Radio Licence
- Range up to 30 Metres

Description

A versatile 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 6 transmitters can be 'learnt' by the receiver.

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

Transmitter Showing Sliding Cover

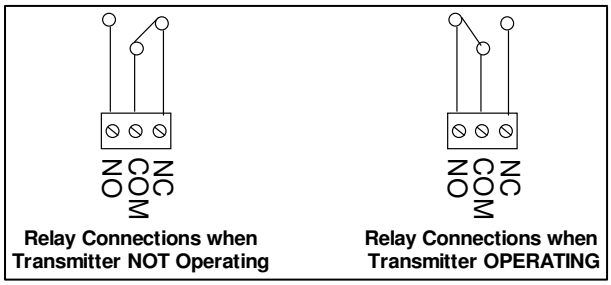
Part Numbers

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

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

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.



Relay Connections when Transmitter NOT Operating

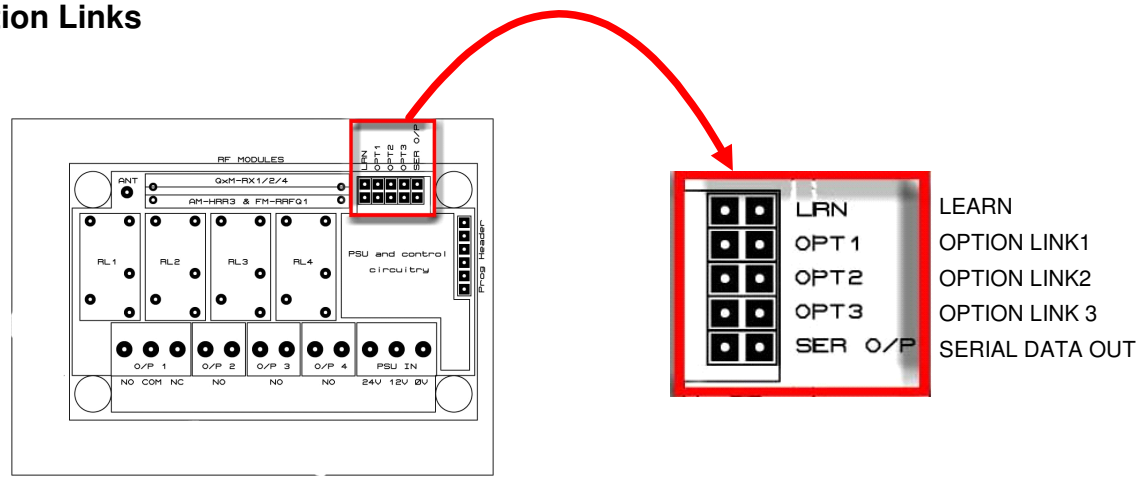
Relay Connections when Transmitter OPERATING

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

Option Links



Learning a New Transmitter Keyfob Switch

1. Briefly short the two 'learn' pins on the receiver PCB, the receiver relays will click continuously.
2. Press any transmitter button once, the receiver relays will stop.
3. Press the same transmitter button again, the receiver relays will 'buzz' briefly. After a short time delay for reset, this transmitter will operate the system.

Erasing Existing Transmitters

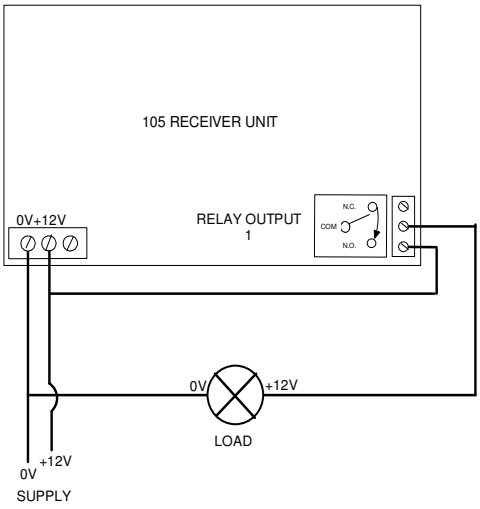
1. Short the two learn pins on the receiver for 10 seconds then remove the short.
2. The receiver relays will 'buzz' briefly after the 10 seconds to indicate the Tx encoder(s) have been erased

NOTE: You can not erase individual Tx encoders

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.

Each button is ‘auto-mapped’ to its corresponding relay: button 1 to relay 1, button 2 to relay 2 etc…

The only limitation is that each receiver has a maximum capacity of 6 key fobs paired to the receiver.

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

Technical Specifications

Transmitter Keyfob

Battery Type GP23AE (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 96mm x 55mm x 29mm

ELECTRICAL CHARACTERISTICS		MIN	TYPICAL	MAX	DIMENSION
Supply Voltage	for +12Vdc	11	12	13	Vdc
	for +24Vdc	23	24	25	Vdc
Supply Current:	Quiescent		14		mA
	All relays operating		140		mA

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2006/66/EC
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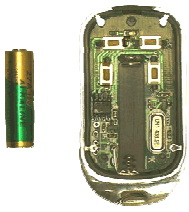
BATTERY REMOVAL



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