

Seceuroglide Transmitters:

The transmitters are fitted with four buttons (see diagram) and when any button is pressed the LED illuminates. The typical operating range is approx. 50m (160ft).

When the batteries in the transmitters need replacing the LED will flash continuously when any button is pressed. (Batteries are 2 x CR2016 Lithium Cells.)

Multi-Channel Hand Transmitters:

(see separate instruction sheet supplied with unit.)

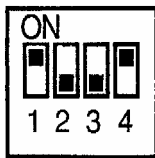
Adding Transmitters to the System

A maximum of 14 transmitters can be used with any one receiver.

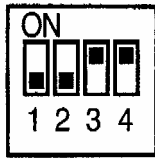
Remove cover and set DIP switches to the ADD TRANSMITTER MODE.

Press switch SW5. The control unit LED will flash three times. This starts a 12-15 seconds period. Only during this period can transmitters be added.

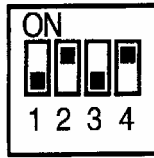
Select the transmitter to be added, press the top button (the one next to the LED) and hold for 2 - 5 seconds then release. Control box LED will flash as each transmitter is added. Repeat until all transmitters have been added.



ADD



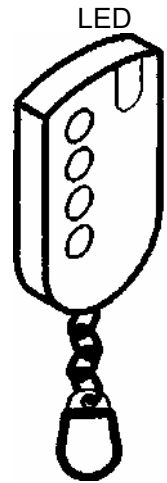
NORMAL



DELETE

OPEN BUTTON green
STOP BUTTON red
CLOSE BUTTON green
ISOLATOR BUTTON grey

STANDARD
TRANSMITTER (Grey)



N.B. If the LED flashes twice the transmitter has failed to be added to the system.

- The LED will flash three times when the period for adding transmitters has expired

Reset the DIP switches to the NORMAL OPERATING MODE, Press switch SW5 (the LED will flash three times to indicate that the unit has reset) and replace cover.

IMPORTANT NOTICE FOR MULTI-CHANNEL REMOTE CONTROL KIT

Two sets of fitting instructions are supplied with this product. You will need to refer to the new set of instructions entitled 'Electric Roller Garage Door Fitting Instructions' for installing the door and the supplementary multi-channel instructions for the electrics. This is because the new RF03 remote control unit is not yet compatible with multi-channel radio kits. Therefore, until further notice you will need to refer to the supplementary fitting instructions for wiring and setting up hand transmitter

If you are fitting a multi channel receiver unit you will need to follow these instructions in the appropriate place

You will need to connect the motor to either a momentary switch or a control unit. Power should be supplied via a 13 amp switched fused spur or a 13 amp switched plug socket Plugs and spurs should be fitted with a 5 amp fuse. Ensure power is switched off before any electrical connections are attempted.

N.B. Some components are pre-wired at the factory.

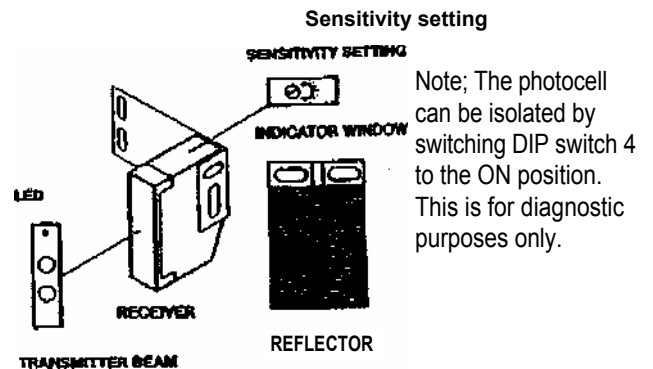
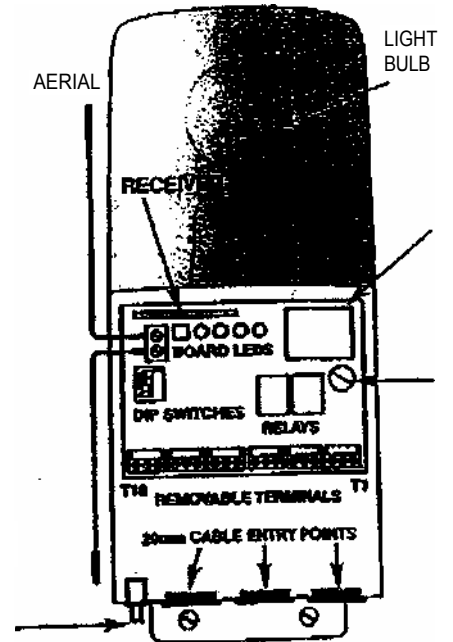
Do not fit 2 or more controls closer than 30cm to each other, also close to steelwork, other power cables or fluorescent lights as the radio controls may not function correctly.

Control Unit & Radio Receiver

- i) mount control box with light to top on a flat surface
(mark fixing holes and move unit out of way
to prevent debris fouling PCB when drilling holes)
- ii) fit both aerials and set parallel to wall. Aerials must not touch
- iii) wire motor to control unit
- iv) fix the photo electric cell (see below)
- v) connect to mains supply

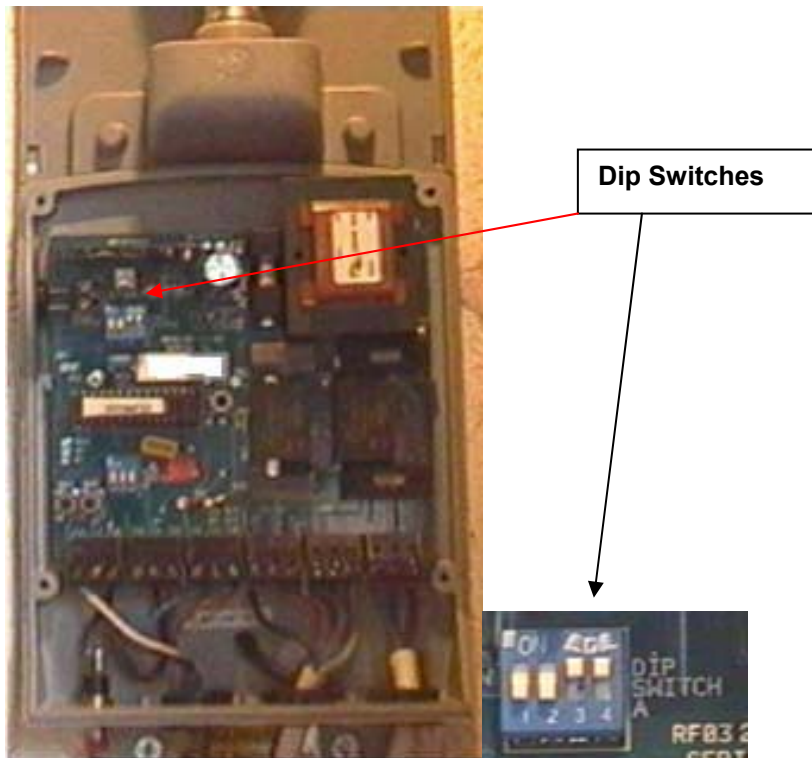
TERMINALS	DESCRIPTION
T1	T1 Mains live (brown / red)
T2	T2 Mains neutral (blue / black)
T3	T3 Mains earth (yellow & green)
T4	T4 Motor earth (yellow & green)
T5	T5 Lamp five
T6	T6 Lamp neutral
T7	T7 Motor neutral (blue)
T8	T8 Motor down close (black r/h motor or brown l/h motor)
T9	T9 Motor up open (brown r/h motor or black l/h motor)
T10	T10 & T11 linked to override emergency stop
T11	T11 Photo electric cell +24V (brown) Photo electric cell 0V (blue)
T12	T12 Photo electric cell +24V (brown) Photo electric cell 0V (blue)
T13	T13 Push button
T14	T14 Push button
T15	
T16	
T17	T17 Photo electric cell n/c safety (black)
T18	T18 Photo electric cell relay common (white)

WIRING OF TERMINAL CONNECTORS



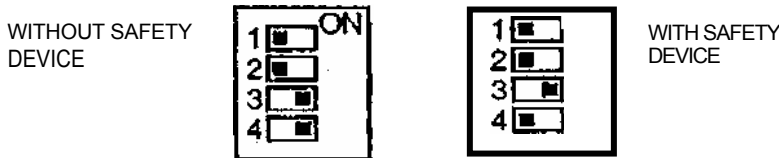
Mounting & Adjusting Photo-electric Cell

- i) mount photocell internally at car bumper height
- ii) alter the sensitivity setting into the middle of range
- iii) align with reflector
- iv) switch on the power
- v) ensure visible red beam is centered on reflector (LED will illuminate) and move reflector left and right, up and down, marking point LED goes out to locate centre



Radio Hand Transmitters & DIP Switches

A transmitter is supplied with the Control and are normally pre-coded to operate with the built-in receiver. Check DIP switches are set for normal operating conditions.



MAKE SURE THE POWER IS SWITCHED OFF BEFORE ADJUSTING THE DIP SWITCHES

N.B. Always isolate the power before attempting to make any adjustments or repairs. Untrained operators are advised to contact an approved Roller Garage Door installer.

1) LED on control box cover flashing continuously off/on; Check DIP switch settings.

2) LED on control box cover is permanently on:

Check: i) if photocell fitted it is correctly aligned, is working/not obstructed, is clean and not covered by cobwebs, if yellow LED on photocell not visible it indicates a problem.

ii) if no photocell fitted that dip switch 4 is ON.

3) Motor does not run when push button pressed:

Check first for faults 1 & 2. Then check that LED on control box front cover illuminates when button pressed.

If yes check: i) if motor has overheated (it can take 15-30 minutes to cool down properly).

If no check: i) main power feed, ii) control board fuse, iii) terminals T10 & T11 linked and contacts tight, iv) push button connections.

4) Motor does not run when remote control transmitter button pressed;

Check first for faults 1 & 2. Then check both the transmitter LED and LED on control box front cover illuminate when button pressed. If no, check transmitter batteries first then follow checks for problem 3.

5) Door stops before fully opening or closing:

Check: i) door runs past stopping point manually, ii) limits, iii) if motor has temporarily over-heated.

6) Door runs in opposite direction to that expected: Swap the black & brown motor connections to T8 & T9.

7) Door reverses shortly after closing:

Photocell beam is still 'active' for a few moments after the door is closed and if broken during that time the door will open.

8) Reduced operating range:

Check:

i) transmitter batteries (Transmitter LED does not illuminate or flashes when button pressed).

ii) position of aerial (they must not touch).

iii) position of control box.

Multi channel hand transmitters

Each button works the respective channel sequentially (Open, Stop, Close, Stop, Open etc.)

This enables 1 transmitter to control up to 4 separate receivers.

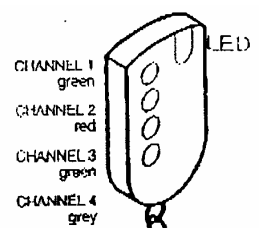
Operating Options

Option 1: Each button controls a separate receiver (e.g. channel 1 operates garage channel 2 operates garage door 2. channel 3 operates garage door 3 etc).

Option 2: Buttons can control more than one receiver (e.g. channel 1 operates entrance gates and floodlights, channel 2 operates garage doors etc)

Coding Channels

To code a receiver to recognise individual channels you need to follow the Adding Transmitters instructions. When the DIP switches in the control are set to the ADD mode press the appropriate button on the transmitter



MULTI-CHANNEL TRANSMITTER (Blue)

Examples:

Option 1: press button one for garage door receiver 1, button two for garage door receiver 2 etc.

N.B. Remember to reset the DIP switches back to NORMAL OPERATING MODE before moving on to the next control, otherwise you may code the receiver to recognise more than one channel. i.e. garage door 1 will operate when both buttons 1 and 2 are pressed.

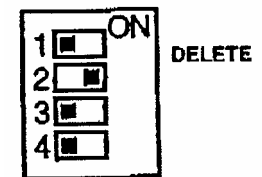
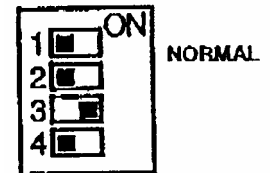
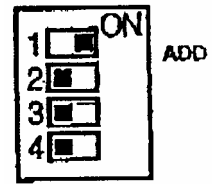
Option 2: press button one for both gate and floodlight receivers, button 2 for garage door receivers.

N.B. Remember to reset the DIP switches back to NORMAL OPERATING MODE before moving on to the next control, otherwise you may code the receiver to recognise more than one channel i.e. gate, floodlights and garage doors all work when both buttons 1 and 2 are pressed.

Adding Transmitters to the System:

A maximum of 10 transmitters can be used with any one receiver.

- Switch off power to control board, remove cover and set DIP switches to the ADD TRANSMITTER MODE.
- Replace front cover and switch power back on. This starts a 20 second period. Only during this period can transmitters be added.
- Select the transmitter to be added, press the top button (the one next to the LED) and hold for 2-5 seconds then release. Control box LED will flash as each transmitter is added. Repeat until all transmitters have been added, N.B. If the LED flashes twice the transmitter has failed to be added to the system.
- Switch off the power. If, before the power is switched off, the LED on the Control Box starts flashing one second off, one second on you will not be able to add any further transmitters and you will need to start from the beginning again.



Deleting Transmitters from the System

This mode is rarely used. It is akin to changing the locks on a door when a key is lost. It enables all the current transmitters to be deleted so as to enable the resetting of the receiver to work with the remaining or new transmitters on a new code.

- Switch off the power to the receiver, remove the front cover and set the DIP switches to the DELETE TRANSMITTER MODE.
 - Replace the front cover and switch the power to the receiver back on. After a short delay the LED on the front panel gives a short constant flash. This indicates all transmitters have been deleted. Switch off the power to the receiver.
- To recode remaining or add new transmitters follow the Add Transmitter instructions.

Procedure for programming additional transmitters to a PDT Rollertec control unit. (introduced in 2005)

- 1/ Hold down the Grey button on a transmitter that is already programmed into the control unit.
The lid mounted signal LED will flash YELLOW slowly, keep the button held down until it flashes YELLOW quickly
- 2/ Release the Grey Button.
The lid mounted signal LED will continue to flash YELLOW quickly
- 3/ Press the top green button on the same transmitter once.
The flashing LED will change from flashing YELLOW to flashing GREEN.
- 4/ Now take the new transmitter and press the top green button once and release.
The flashing LED will change to continuous for 1 second each time it accepts a new transmitter

Repeat step 4 for other transmitters to be added on to the system.

Thirty seconds after programming the last transmitter the LED changes to flashing yellow for ten seconds and then returns to normal running mode. Alternatively you can press the top green button of a transmitter that has just been loaded, this will take it straight back to normal running mode.

Note: the manufactures code for the transmitter must match the manufacturers code for the receiver, if they do not match, you cannot add that particular transmitter on to the system, the LED will flash RED, GREEN then YELLOW once quickly if they are not compatible.

Technical support is available from SWS Seceuroglide on: 01524 772400