



**FULL CONTROL
ENDLESS POSSIBILITIES**



RECEIVER
7 Channel Universal Long Range

Programming a remote button to the Onboard Relay:

- With the power connected to the receiver, place a link over the **RELAY** pins.
- Press and hold the remote button that is to be programmed to the receiver.
- While pressing the button, place the second link over the **REMOTE** pins for two seconds (only) and then remove the link.
- Release the remote button and remove the link from the **RELAY** pins.

The remote button is now programmed to the Onboard Relay

Programming a remote button to a Channel:

- With the power connected to the receiver, place a link over the required channel pins (**CH1 - CH6**)
- Press and hold the remote button that is to be programmed to the channel.
- While pressing the button, place the second link over the **REMOTE** pins for two seconds (only) and then remove the link.
- Release the remote button and remove the link from the **CH** pins.

The remote button is now programmed to the selected channel.

Erasing remotes buttons from the receiver:

All programmed buttons are stored in the receiver in the sequence in which they were programmed. It is, therefore, important to keep a record of which button on which remote is programmed and the sequence in which it was done. This allows for the erasing of a single button. If record is not kept then all programmed remotes will have to be erased and reprogrammed.

Important:

The button number will not necessarily be the same as the remote number.

If a remote button is erased, the next button learned will fill the erased buttons position.

Erasing a single remote button from the receiver:

You will use the button that holds the position in the receiver immediately before the one that is to be erased!!

- With the power connected to the receiver, press and hold the button on the remote that was programmed to the receiver before the button that is to be erased.
- Place a link over the **ERASE** pins. The LED will flash twice and then remain solid.
- Release the remote button.
- Remove the link.

The remote button is now erased from the receiver.

Erasing all remotes buttons from the receiver:

- With the power connected to the receiver, place a link over the **ERASE** pins.
- The LED will flash ten times and then remain on solid.
- Remove the link.

All remote buttons have now been erased from the receiver.

Setting a channel to Latch mode:

- With the power connected to the receiver, place a link over the required channel pins (**CH1 - CH6**) or **RELAY** pins.
- Place a link over the **LATCH** pins. The LED will stop flashing and remain on solid.
- Remove both of the links.

The channel/relay will now latch when a remote signal is received and release when the next signal is received.

Setting Pulse time:

The default pulse time is 350 milliseconds (ms), this can be increased up to 24hrs.

- With the power connected to the receiver, place a link over the required channel pins (**CH1 - CH6**) or **RELAY** pins.
- Place the second link over the **PULSE** pins. The LED will come on solid for two seconds and then flash every one second.

For every one flash of the LED, the pulse time will be increased by one second, up to 60 seconds. Thereafter each flash will increase the pulse time by one minute.

- Count the LED flashes until the required pulse time is reached and then remove the link from the **PULSE** pins.
- Remove the link from the channel pins (**CH1 - CH6**) or **RELAY** pins.

The pulse time has now been adjusted to the chosen channel.

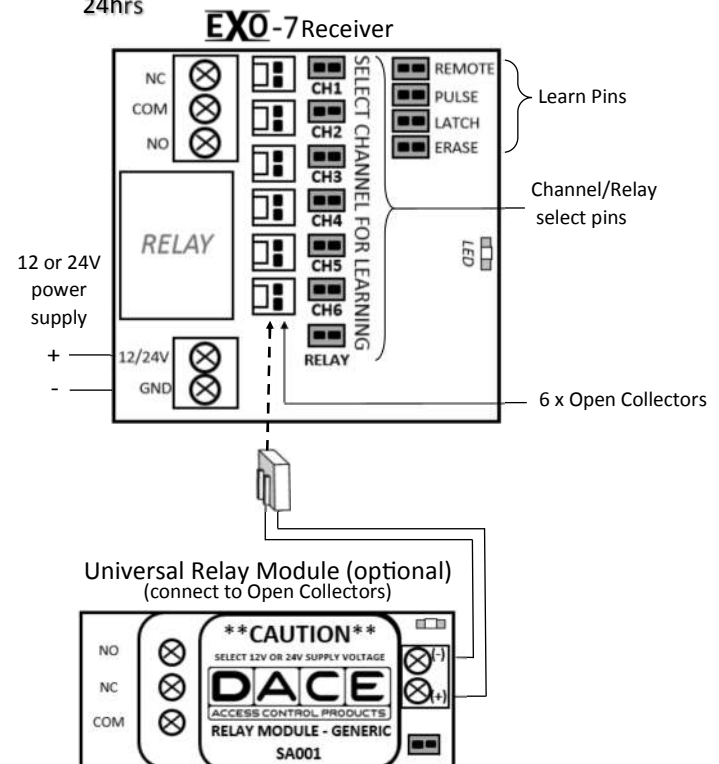
Hint:

To set the pulse time to 24hrs, wait 25 minutes after the LED starts flashing i.e. that is one minute for every one hour pulse time required plus one minute.

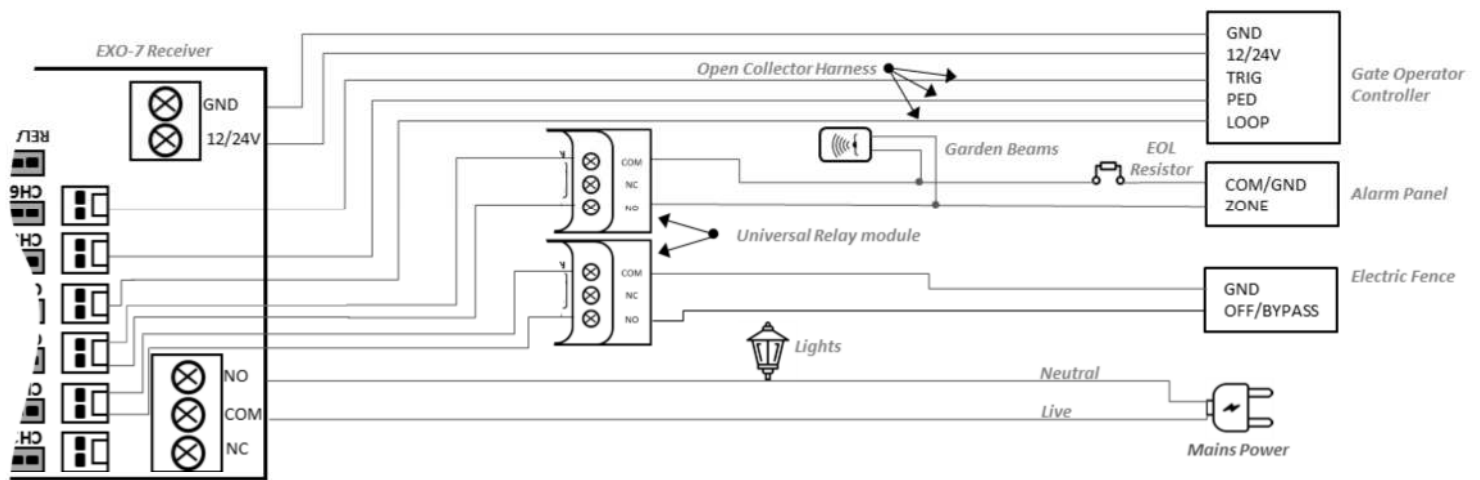
*To reset to the default pulse time, remove the link from the **PULSE** pins within the first two second flash.*

Specifications:

- 12 to 24 Volt DC
- Long range: 1.2km (line of sight)
- Max. of 630 remotes or remote buttons
- Available 403 or 433 MHz (Universal Code Hoping)
- 1 x Onboard Relay
- 6 x Open Collector Outputs (max. 80mA per channel)
- One remote button can activate multiple channels
- Outputs can be Pulsed or Latched
- Pulsed outputs can have different lengths up to a max. of 24hrs



Example Setup using Relay Modules & Open Collector Outputs



1. Examples using Open Collector Outputs

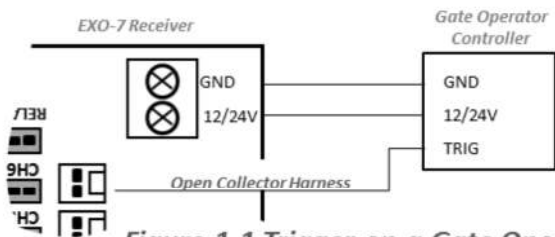


Figure 1.1 Trigger on a Gate Operator

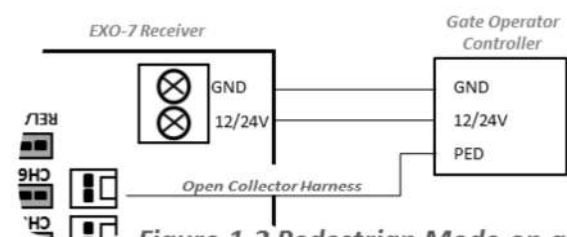


Figure 1.2 Pedestrian Mode on a Gate Operator

2. Examples using Relay Module



Figure 2.1 Trigger on a Gate Operator

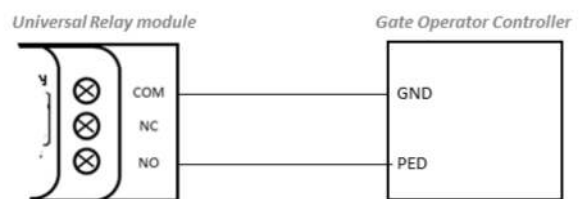


Figure 2.2 Pedestrian Mode on a Gate Operator



Figure 2.3 Loop Detector on a Gate Operator

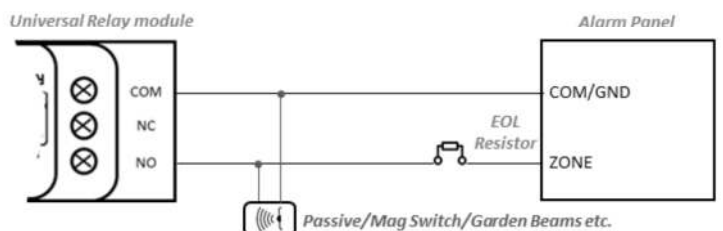


Figure 2.4 Bypass Alarm Zone

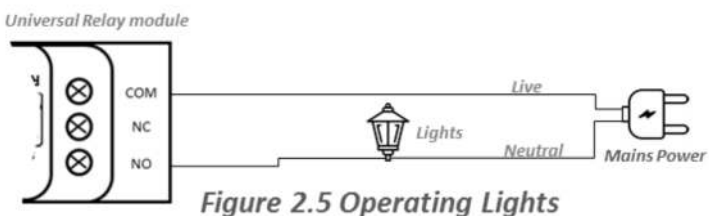


Figure 2.5 Operating Lights

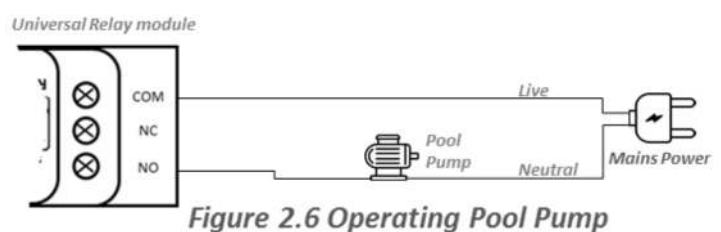


Figure 2.6 Operating Pool Pump

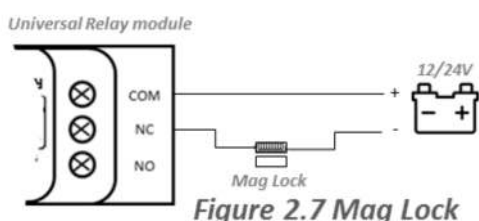


Figure 2.7 Mag Lock

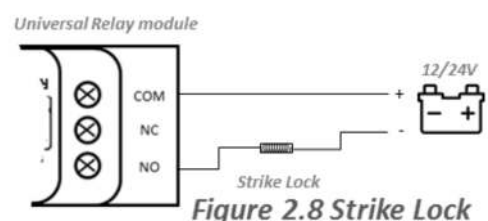


Figure 2.8 Strike Lock