

# Installation Instructions For

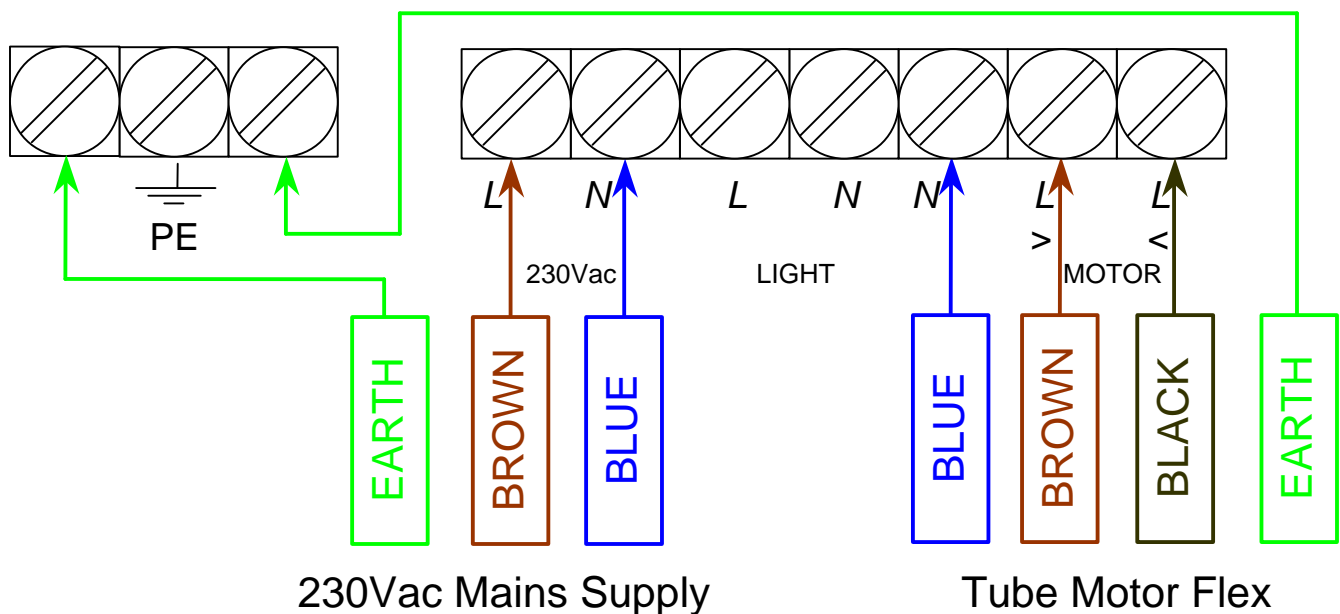
## Model – AE0900

1. Fix the control panel to the wall using the 4 mounting holes provided, taking care not to damage the circuit board.
2. The wiring should be fed through the knockouts provided (PG11) at the bottom of the panel. The 230Vac supply should be fed from a suitably fused spur and connected to terminals 'L, N and PE' as shown below.
3. The motor can now be wired, connecting the *blue* wire to the 'N' terminal, the *green/yellow* wire to the 'PE' terminal, and the *brown* & *black* wires to the > & < terminals as shown below. If the motor runs in the wrong direction, interchange the *brown* & *black* wires.

*Note: - The maximum load for the motor is 1000W.*

4. If a courtesy light is required then this can be wired into the 'LIGHT' terminals. The 'RUN TIMER' switch governs the period of time that the light is on for.

*Note: - The maximum load for the light output is 500W.*



### *Did you know that:*

This unit can be used as a 2-channel 'volt free' receiver for connecting to group controllers etc?

To enable 'volt free' operation the 6.3A motor fuse MUST first be removed. The LIGHT 'L' terminal becomes a common, with the > & < terminals the channel 1 & 2 respectively.

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# Programming Instructions

1. Press and release the learn button.
2. The receiver will 'beep' slowly to indicate programming mode.
3. Press and release all three handset buttons in sequence, a 'beep' will confirm each press i.e. press open 'beep', stop 'beep' and close 'beep', all within 3 seconds of each other.  
*Note: - the first button pressed will always be the 'open' direction.*
4. The receiver will give 2 long 'beeps' and the handset is now learnt.
5. The receiver will give 2 short 'beeps' as the receiver exits the programming mode.
6. Repeat the process above for additional handsets.

**If a handset is already programmed, this can be used to initiate the programming mode on the receiver as follows: -**

1. Using a paperclip press the hidden button on the handset through the small hole (Bottom right).
2. The receiver will 'beep' slowly to indicate programming mode.
3. Repeat steps 3-6 using the handsets that require programming.

## Erasing All The Handsets

1. Remove the power from the Receiver.
2. Press and hold the learn button.
3. Re-apply the power whilst holding the learn button.
4. The receiver will 'beep' for 3 seconds.
5. When the 'beep' stops, release the learn button.
6. Memory is now erased.

## DIL Switch Functions

- |                                      |   |  |
|--------------------------------------|---|--|
| <b><u>DIL1</u></b> - DEADMAN OPEN    | - | open only whilst the handset is pressed.         |
| - IMPULSE OPEN                       | - | open automatically on one press of the handset.  |
| <b><u>DIL2</u></b> - DEADMAN CLOSE*  | - | close only whilst the handset is pressed.        |
| - IMPULSE CLOSE                      | - | close automatically on one press of the handset. |
| <b><u>DIL3</u></b> - 3 min RUN TIMER | - | open or close for 3 minutes maximum.             |
| - INFINITE RUN TIMER                 | - | open or close until a stop command.              |
| <b><u>DIL4</u></b> - OPEN FUNCTION   | - | one button to OPEN (and stop closing)            |
|                                      | - | one button to CLOSE (and stop opening)           |
| - GO FUNCTION                        | - | one button to GO (open-stop-close-stop sequence) |
| (2 button handsets only)             | - | one button to STOP                               |

**\*Important!** *The deadman close function must be selected when the safeguarding of the main closing edge cannot be guaranteed, for example on a shop doorway (EN 12453).*

*Notes: - The 'GO FUNCTION' is only possible if DIL switches 1 & 2 are both set to IMPULSE.  
The 'OPEN' pushbutton input will also act as a 'GO FUNCTION' if this function is enabled.  
The 'CLOSE' pushbutton input will always act as a close.*

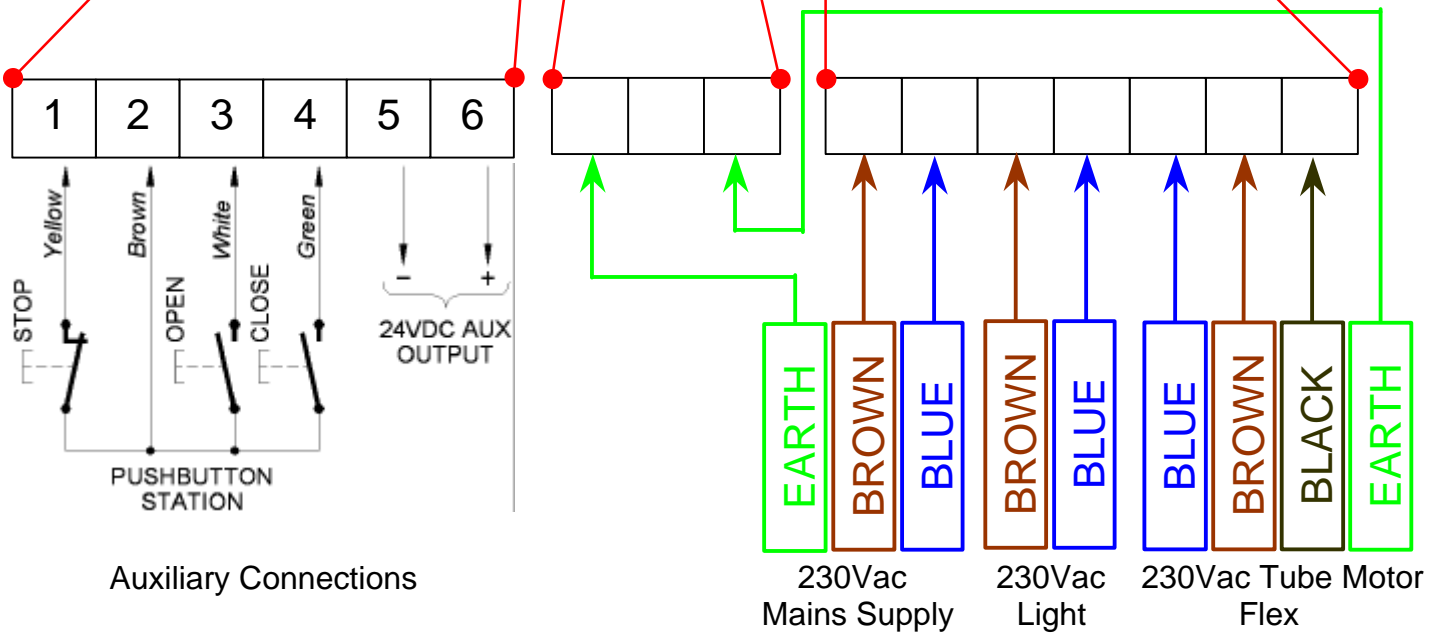
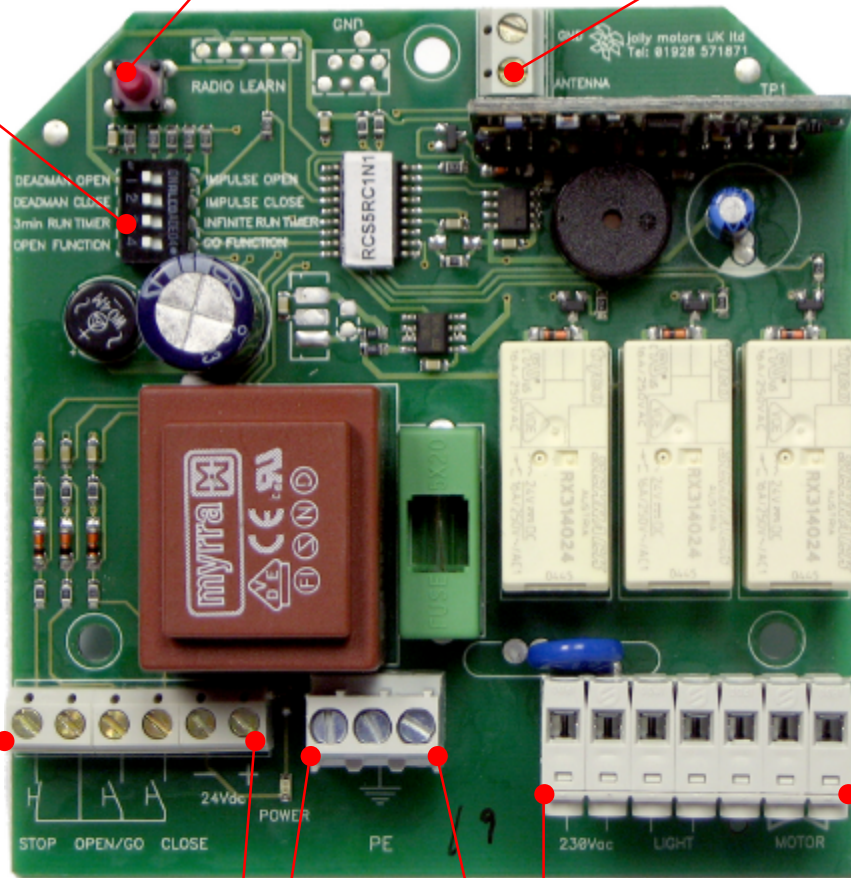
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# AE0900 Layout

Function DIL switches

Radio learn button

Antenna connection



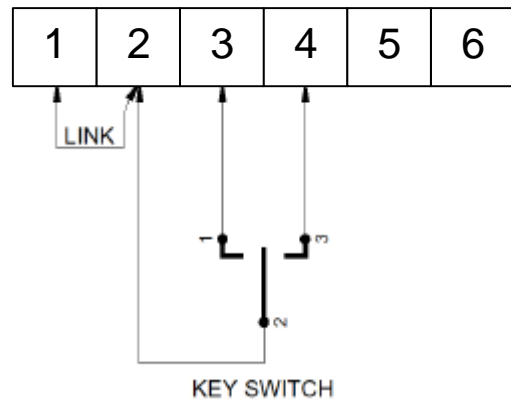
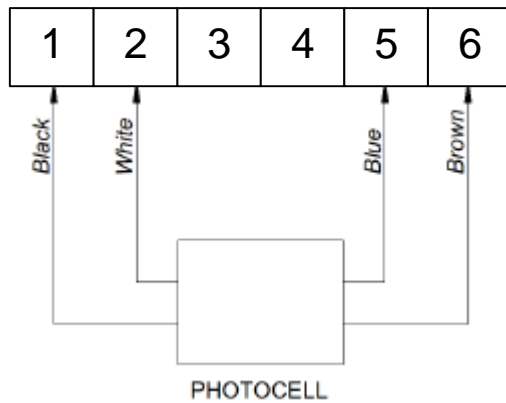
Auxiliary Connections

230Vac Mains Supply

230Vac Light

230Vac Tube Motor Flex

# Other Auxiliary Connections



## Technical Details

Supply voltage	230 Vac +10% - 15% 50-60Hz
Receiver load	4.4 W MAX
Maximum motor load	1000 W (230Vac)
Maximum light load	500 W
Receiver frequency	433.92 MHz
Receiver type	SAW filter, narrow band.
Receiver coding	Rolling code Birol®
Number of available codes	64 bit
Maximum number of stored transmitters	1000
Working temperature	-10...+55°C
Fuse	6.3A anti-surge



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