

A/1

2-WAY SWITCH BOX

2-Way Switch Box & Lead

ATC28(white)

The 2-Way Switch Box, see figure 1, has been designed to control two mains operated devices (2000W max.), i.e. flood lights, each device has its own variable time duration. When configured the two switches will switch on/off, when a Camera Unit has been activated.

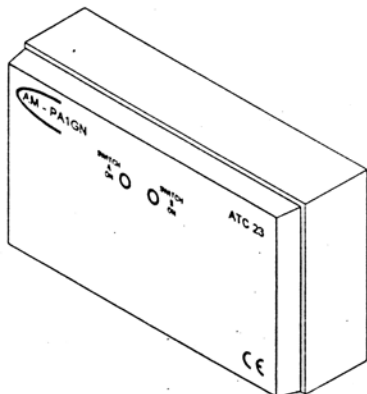


Figure 1.

The wiring connections are simple, there are 6 wires connecting the 2-Way Switch to the Control Unit's Accessory Input, see figure 2, below. The wires are colour coded Red-to-Black, and should be connected as shown in the diagram to the 1st terminal block.

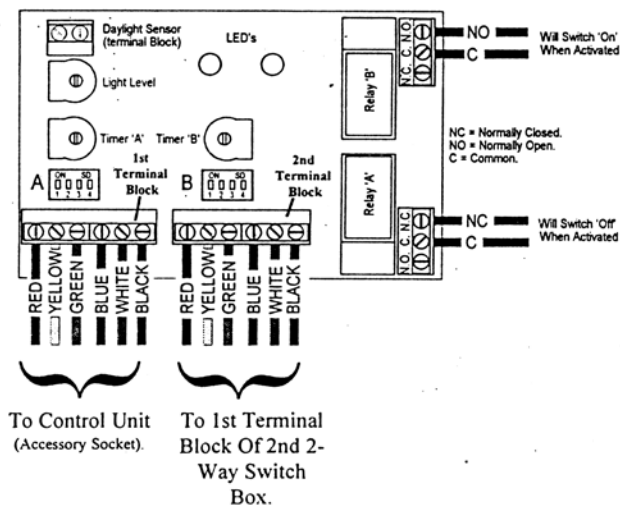


Figure 2.

The 2nd terminal block should only be used when a 2nd 2-Way Switch Box is to be connected to the system.

In such a case, the wiring shown in figure 3 should be followed i.e. the Red wire from the 2nd terminal block should be connected to the 1st terminal block of the second 2-Way Switch Box etc..

The outputs are labelled:

- NC - Normally Closed.
- C - Common.
- NO - Normally Open.

The 'NO' output will usually be used, when connecting a flood light to the system. When the switch is activated the 'NO' and 'Common' output will be closed-circuit (switched on).

The 'C' terminal is always used, and carries 'MAINS' voltage, when connecting to flood lights, and other similar devices.

The 'NC' output is not usually used in applications such as flood lights, mains operated siren etc. But can be used to give the opposite function of the 'NO' output, i.e. cause open circuit (switch off) when the switch is activated.

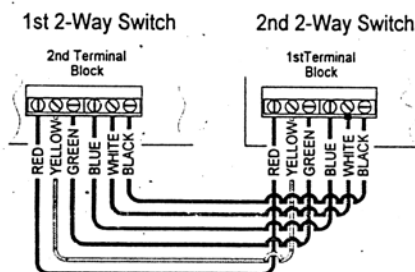


Figure 3.

Each switch has a variable time setting, allowing you to switch a mains operated device for a pre-determined time. To change the time setting, simply use a screw driver to adjust the variable resistors, labelled Timer 'A' and Timer 'B', figure 2. To determine what time the switches are set at, time the 'on' period of the front LEDs, i.e. if the LED labelled 'SWITCH A ON', were to illuminate when a Camera Unit became active for a time period of 2 minutes (max. setting), then the time period for switch A is 2 minutes.

The DIL switches labelled A 1 to 4, and B 1 to 4 figure 2, are used to allow you to decide which Camera Units (1 to 4) will activate the two switches. If for example, the DIL switch labelled A 1, were switched 'on' (top position), when the Camera Unit which is plugged into the Camera 1 socket activates, Switch A will become active. The same is true for all of the DIL switches. The second group of DIL switches, labelled B 1 to 4, will perform the same function, with output B.

A simple wiring example is shown below in figure 4. An earth wire will be required if the floodlight casing is made of metal. The earth wire will feed directly from the floodlight to the mains plug (i.e. same route as blue (N) wire, in figure 4).

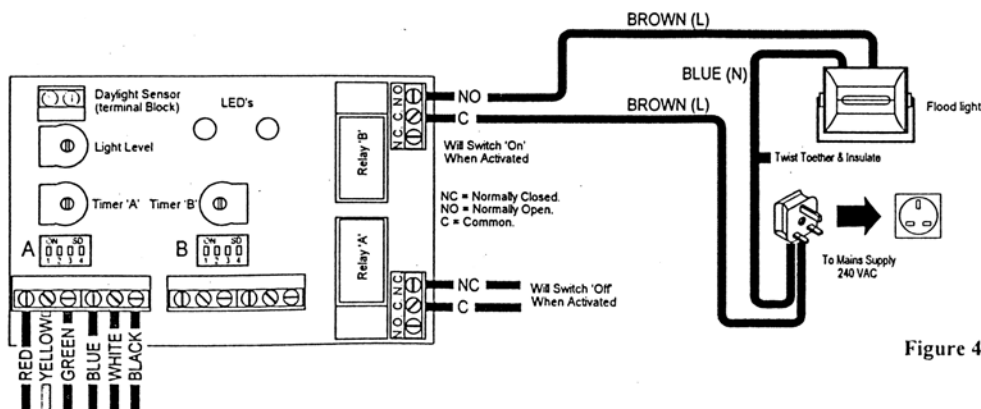


Figure 4.

A 25m lead is supplied, to connect the 2-Way Switch Box to the Control Unit.

A Daylight Sensor is available, to offer more control over the switching of flood lights and other equipment connected to the 2-Way Switch Box, see 'Daylight Sensor & 20m Lead' section in the ATC 4 instruction manual for more details.

The above 2-Way Switch Box can switch a 2000W(max.) total load, but is limited to 2 outputs. Which means that you can only switch two groups of flood lights.

For example, if you had 4 flood lights connected (i.e. 2 x 500W flood lights to each output), one flood light per Camera Unit, see figure 5. It will not be possible to switch all of the 4 flood lights individually, only in groups of two. If you want to be able to switch all 4 flood lights individually, i.e. having Camera Unit 1, switching flood light 1, Camera Unit 2, switching flood light 2 ... , a second 2-Way Switch Box is required, see figure 6.

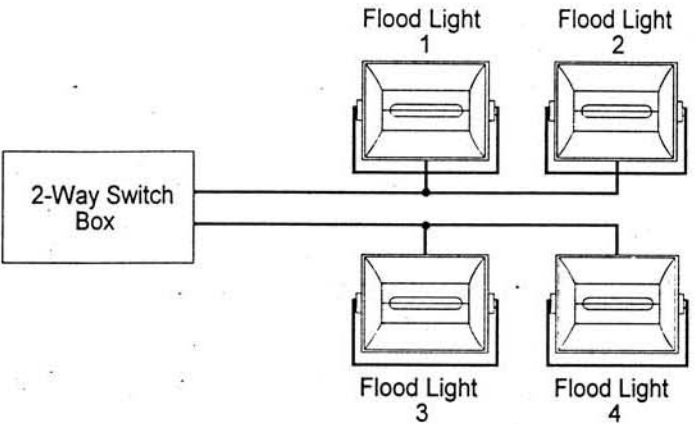


Figure 5.

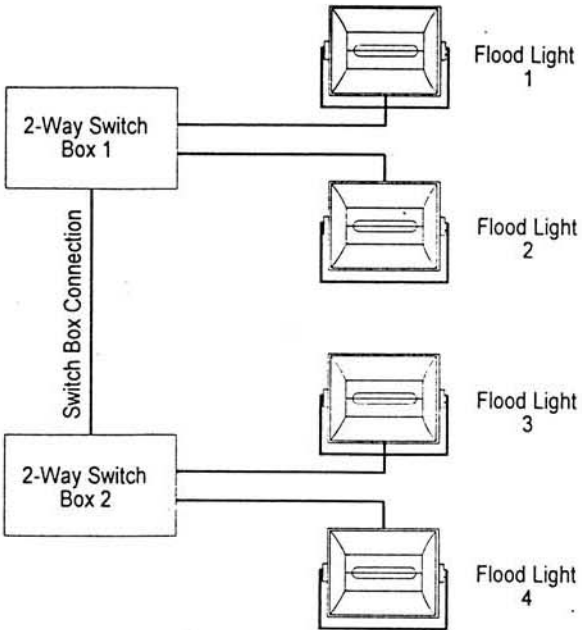


Figure 6.

Helpline Reference Number:

Send your Registration form to:

A1 Security & Electrical Ltd.
16 Brickfields,
Huyton Trading Estate,
Huyton, Merseyside
L36 6HY.

Registration Form: ATC 28 2-WAY SWITCH BOX

A1 Security & Electrical Ltd., guarantee to the original Purchaser that this 2-Way Switch Box product will be free from defects in materials and workmanship for a period of 1 year from the date of purchase. Any product found to have defects in material or workmanship within the period of this guarantee shall be replaced by the manufacturer free of charge.

The conditions of this guarantee are as follows:

1. The product has been properly installed and maintained.
2. Defects or damage due to normal wear and tear, accident, misuse of interference are not included.
3. The Helpline has been contacted.
4. The product is returned for inspection by the manufacturer.
5. The claim on this guarantee is processed by an approved stockist.
6. The registration form is returned duly completed to the manufacturer at the address above within 28 days of the date of purchase of the product.

Note: This guarantee does not affect any statutory rights.

Name:

Address:

Signature:

Date Of Purchase: