

P C 4 0 0 0 S

User Guide

C O N N E C T I O N S

Mains input

Connect the PC4000s to the mains supply using the 13Amp plug. If you are not connecting to a British standard mains socket, remove the plug and connect as follows.

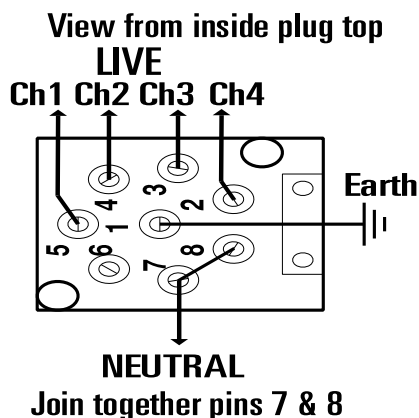
- 1 Brown = live
- 1 Blue = Neutral
- 1 Green/Yellow = Earth

The PC4000s MUST be earthed.

This should be done by a qualified electrician.

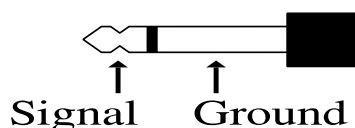
Output

Output is via an 8-pin type P552 socket. Connections are shown below.

**Sound input**

Connect the speaker output from any amplifier up to 400W per channel, to the ¼" jack socket on the rear panel of the PC4000s. Connect the signal terminal of the amplifier to the "tip" connection of the jack plug; connect the ground terminal of the amplifier to the "sleeve" connection of the jack plug

This does not affect the amplifier/loudspeaker loading.



3 / 4 CHANNEL SELECTION

Your PC4000s is supplied operating as a four channel controller; if you require it to operate in the three-channel mode, proceed as follows:

DISCONNECT from the mains supply. Remove the two lid-fixing screws located at the sides of the case and remove the lid. The 3/4 channel switch is located on the printed circuit board towards the right-hand side. Move towards the front panel for 3-channel operation, or towards the rear panel for 4-channel operation. Replace the lid and the fixing screws.

OPERATION

Sound chase

Turn the sound control clockwise and the pattern will progress to the bass beat of the music. A connection to the sound source is required.

Light chase

With the sound control turned fully anti-clockwise (or without music playing), turning the speed control clockwise will make the pattern progress faster. If at this point the sound control is set, the unit will run at the speed set when the music stops or pauses, returning to the sound-chase mode when the music resumes.

Floodlight

Turn the sound control fully anti-clockwise and set the speed control so that the display is progressing slowly. When the desired channels are lit, turn the speed control fully anti-clockwise and the lamps will remain lit until the controls are altered, giving a floodlighting effect when required. If the unit is powered up in this mode, the outputs will remain off until the controls are altered.

Run

The push-button run switch selects either single channel chase (with auto-reverse) or a six-pattern auto-run sequence.

Mimic

The four-LED mimic display allows the user instant visual indication of the unit's performing mode.

Fault Finding

1 No output

Mains input not connected

Mains supply not present

Fuse in mains plug blown

1 No output on one channel but mimic works normally

Internal fuse blown

1 One channel permanently on but mimic works normally

Triac failed. This can happen in cases of overload or short circuit on the output. Return the unit to a dealer who will fit a replacement triac.

1 No response to sound

Sound input not connected

Audio level not sufficiently high.

TECHNICAL SPECIFICATION

Size: 205×160×55mm

Weight: 1 kg

Minimum audio impedance: 1 k \bar{w}

Maximum load per channel: 4 Amps

920VA @ 230V AC 920A corresponds to a resistive load of 920W (920 Watts) or an inductive load of approximately 750 Watts

*96VA @ 24V AC**

**A version of the PC4000s for operating low-voltage tubelighting is available*

Maximum total load: 16 Amps

3.68 kVA @ 240V AC

384 VA @ 24V AC

Fuses: F5A HBC (to IEC127)

HBC means "High Breaking Capacity" - a HBC fuse has a ceramic case

Power requirements: 230V AC 50Hz 10VA

24V AC 50/50Hz 2VA

Connections:

Audio: ¼" jack.

Mains in: 13 Amp Mains plug to BS1363A

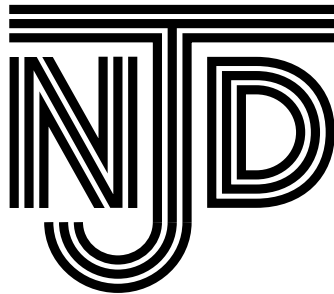
1.5mm² 3-core cable (to BS6500)

Output: Bulgin P552 socket.

Triacs: 8A 600V sensitive gate

isolated tab.

Type: BTA08-600TW, T0806MJ or T1000MJ



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