

# Alpha Pack Owner's Information

## Introduction

The Zero 88 Alpha Pack is a 3 channel power controller capable of driving up to 6.3 Amps of lighting control per channel.

The total current consumption of the Alpha Pack is factory set to a limit of 10, 13, or 16 Amps depending on version.

The loads may be resistive or inductive and include tungsten, transformer driven low voltage (eg. pinspots), and quartz halogen. Some highly inductive loads such as neon will require a ballast load of 100 Watts.

*The Alpha Pack is designed for use with lighting control equipment only and should not be used for any other purpose.*

## Controls

### Input Signal Connections

As with all Zero 88 packs, the input signal connector is an 8 pin ring locking DIN normally providing 6 channels of control.

The Connections are:

Pin	Channel
1	1
2	2
3	3
4	4
5	5
6	6
7	Supply Voltage
8	0V

### Input Channel Selection

The position of the switch on the base of the Alpha Pack determines whether the Alpha responds to input channels 1, 2 and 3, or channels 4, 5 and 6, shown by the led indicator on the front panel.

The "Through" connector allows packs to be daisy chained together.

### Overload Settings

A current detection circuit monitors the input current to the Alpha Pack at all times and protects the machine from being inadvertently overloaded.

The total current limit for each machine is factory set as follows:

Socket Type	Current Limit
UK	13 Amps
CEE 22	13 Amps
French	16 Amps
Schuko	16 Amps

*Should an attempt be made to overload the Alpha Pack, the outputs of all three channels will be reduced, and the "overload" led will be illuminated.*

## Controls (continued)

### Fusing of Inductive Loads

All inductive loads (eg. pinspots, any transformer driven lamp) must be fitted with a separate fuse of the correct value per lamp or fitting.

Failure to fit the correct fuse may mean that any supply disturbances could destroy the lamp transformer. For a single pinspot, a 500mA Quick Blow or 250mA AntiSurge fuse should be used.

### Mains Supply Wiring

*A good earth connection is essential*

## Technical Specifications

### Electrical

The Alpha Pack is designed to operate on 200 to 260V or 100 to 130V single phase ac supplies at frequencies of 50 or 60Hz. The Alpha Pack will not operate satisfactorily outside these conditions.

Power Input	Via fixed 3m cable
Max Current	Limited to 10/13/16A (+/- 1.5A)
Load per channel	0.2A Min; 6.3A Max
Max Load per channel	1.44kW @ 240V 720W @ 120V
No load consumption	6W
Input Signals	0 to +10V
Desk Supply	+20V @ 50mA
Min Input Impedance	80 k $\Omega$
Earth Leakage	< 1mA
Interference Suppression	to BS800

### Physical

Operating Environment	+5 to +40°C (non condensing)
Size	315 x 240 x 180mm (12.4 x 9.5 x 3.1 inches)
Net Weight	3.5kg (8 lbs)

## Accessories

Stock No 620, Alpha Pack Mounting Bracket can be used to wall mount the pack, or to hang it from a hook clamp

### Warning

Do **NOT** remove covers.

This equipment has high voltages inside and must be serviced by qualified technical staff only.