

Installation Instructions

6 Zone 0-10V Input PSU

Supplied Items

- 1 x 19" 2U 6 Zone PSU
- 1 x IEC to 13A Plug
- 6 x 3pin Connectors
- 1 x 8pin Connector
- Instruction Leaflet

Optional Accessories

Please contact your distributor for further information.

- BS-DM1 – Dimmer Control Module

Introduction

The BS-PSD6R-1 is a six zone power supply with 0-10V analogue inputs for the BlueDome and BlueBeam range of light fittings. Each output on the BS-PSD6R-1 can be individually controlled by applying a control voltage from 0 to 10V DC on the relevant input channel. All outputs are protected from overload and short circuits by a user changeable fuse located on the rear panel. When a fuse is blown, an indicator on the front panel will illuminate showing which zone has the fault. The front panel also indicates the status of each zone.

Conformity

The BlueDome and BlueBeam range of power supplies conform to the following standards:

EN 61000-6-3 Light Industrial Emissions
EN 61000-4-2 Heavy Industrial Immunity
EN 60945 Marine



Further information can be obtained from technical@gds.uk.com

Installation

THIS UNIT MUST BE EARTHED. The BS-PSD6R-1 should be mounted in a dry location away from any sources of heat. The unit contains a fan to keep it cool under maximum load.

Electrical Properties

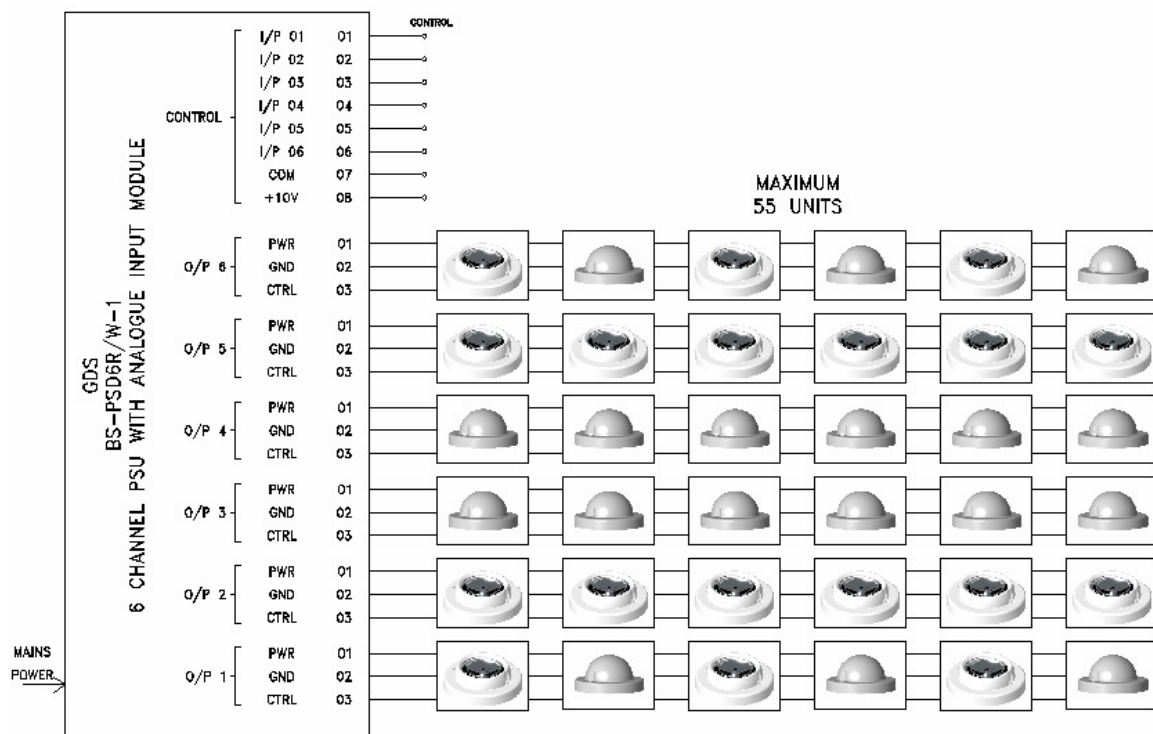
- Input Voltage: 85-264V AC
- Input Frequency: 47-63Hz
- Max Input Current: 3.2A @ 100V Input
- Nominal Output Voltage: 24V DC
- Maximum Load: 55 - 60 Beams/Domes
- CTRL Output Impedance: 10Ω

It is very important to keep the vents clear of obstruction to allow proper cooling and reliable operation. If stacking multiple BS-PSS6R power supplies it is recommended to use a 1U vent panel between units to allow for maximum air flow.

Operation

The BS-PSD6R-1 will accept an analogue DC level ranging from 0 – 10V on each of its input channels. If you apply a 5V DC level to input 3, the BlueDome or BlueBeams connected to channel 3 will illuminate to 50% intensity. By connecting an analogue control desk to the inputs on the BS-PSD6R-1, you can have individual intensity control of all 6 output channels.

Connection Example



The schematic above shows the use of a BS-PSD6R-1. A total of 55 units can be connected to the power supply. The unit ships with 1.6 Amp output fuses. This allows up to 12 Domes or Beams on each output.

DO NOT EXCEED THE TOTAL LOAD OF 55 UNITS ON ONE POWER SUPPLY.