

Installation Instructions

6 Zone Switched 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-PSS6R is a six zone power supply with dry contact switch inputs for the BlueDome and BlueBeam range of light fittings. Each output on the BS-PSS6R can be preset by means of a 'TOPSET' on the rear of the unit. 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-PSS6R 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

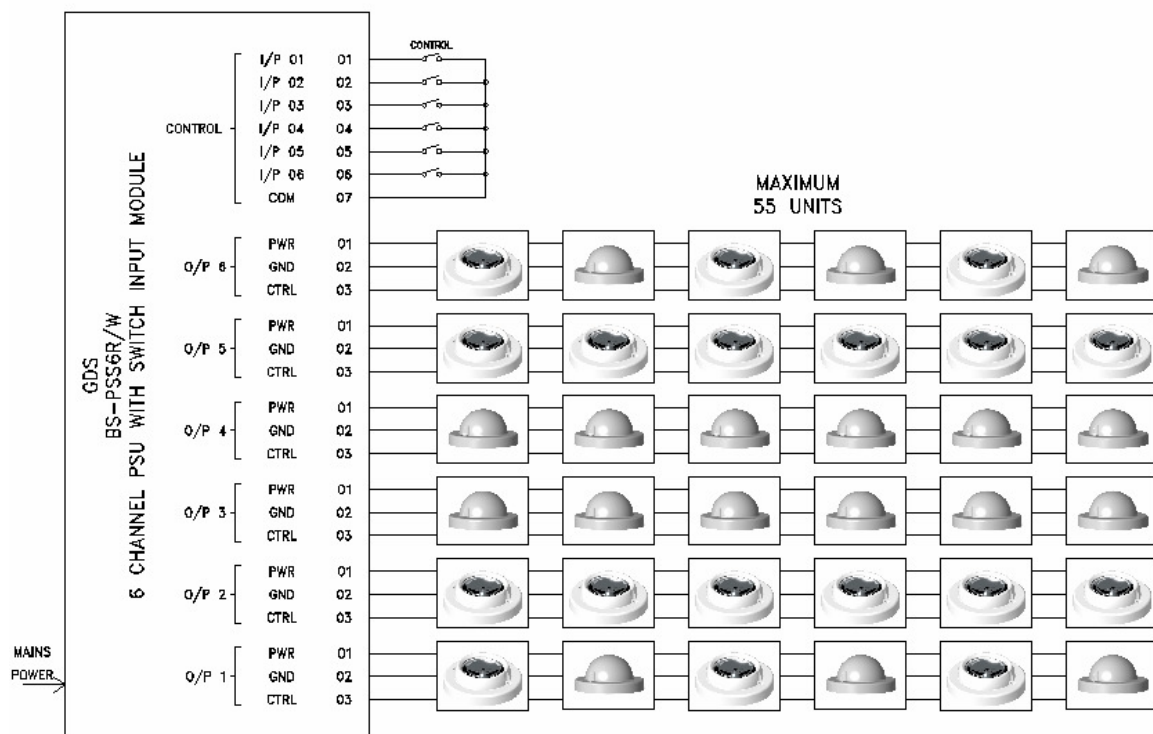
- Input Voltage: 85-264V AC
- Input Frequency: 47-63Hz
- Max Input Current: 3.2A @ 100V Input
- Nominal Output Voltage: 24V DC
- Maximum Load: 55 - 60 Beams/Domes
- CTRL Output Impedance: 10Ω

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

To switch on a particular zone simply connect a switch between the COM pin and the relevant channel you wish to turn on. If remote switching is not required, simply connect a short piece of wire between the COM and the I/P pin. The output level can be adjusted by turning the 'TOPSET' preset on the input module PCB with a small screwdriver. This allows you to set individual levels for each zone.

Connection Example



The schematic above shows the use of a BS-PSS6R. 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.