



# Installation Instructions

## 6 Zone Switched PSU

### Wall Mounted

#### Supplied Items

- 1 x Wall Mount 6 Zone PSU
- Mounting Hardware
- Instruction Leaflet

#### Optional Accessories

Please contact your distributor for further information.

- BS-DM1 – Dimmer Control Module

#### Introduction

The BS-PSS6W is a six zone power supply for the BlueDome and BlueBeam range of light fittings with dry contact switch inputs. Each output on the BS-PSS6W can be preset by means of a 'TOPSET' inside the unit. All outputs are protected from overload and short circuits by a user changeable fuse also located inside the unit.

#### 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](mailto:technical@gds.uk.com)

#### Installation

THIS UNIT MUST BE EARTHED. The BS-PSS6W should be mounted in a dry location away from any sources of heat. A fused spur should feed mains to the unit. The unit contains a fan to keep it cool under maximum load. It is very important to keep

#### 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

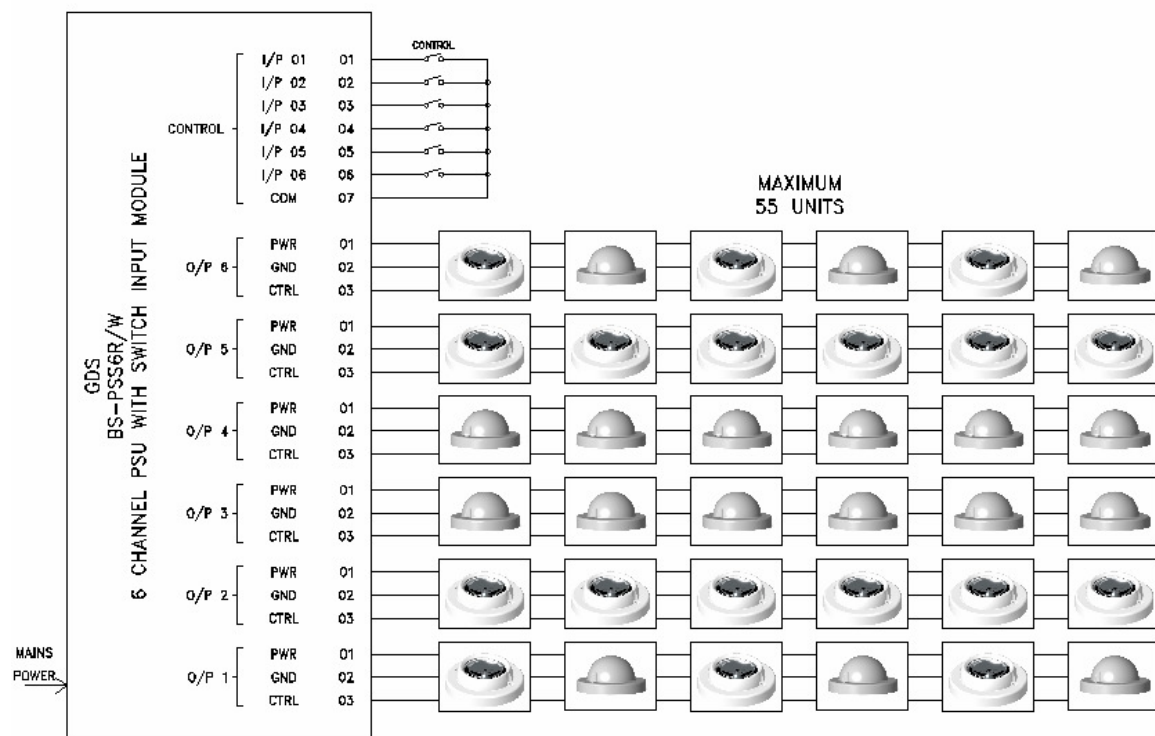
the vents clear of obstruction to allow proper cooling and reliable operation.

The BS-PSS6W casing has a number of 20mm knockouts for cable glands or conduit.

## 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-PSS6W. 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 (up to a maximum of 55).

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