



# Installation Instructions

## 1 Zone Switched PSU

### Wall Mounted

#### Supplied Items

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

#### Optional Accessories

Please contact your distributor for further information.

- BS-DM1 – Dimmer Control Module

#### Introduction

The BS-PS1 is a single zone power supply for the BlueDome and BlueBeam range of light fittings. The maximum output on the BS-PS1 can be preset by means of a 'TOPSET' inside the unit. Both 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-PS1 should be mounted in a dry location away from any sources of heat. A fused spur should feed mains to the unit.

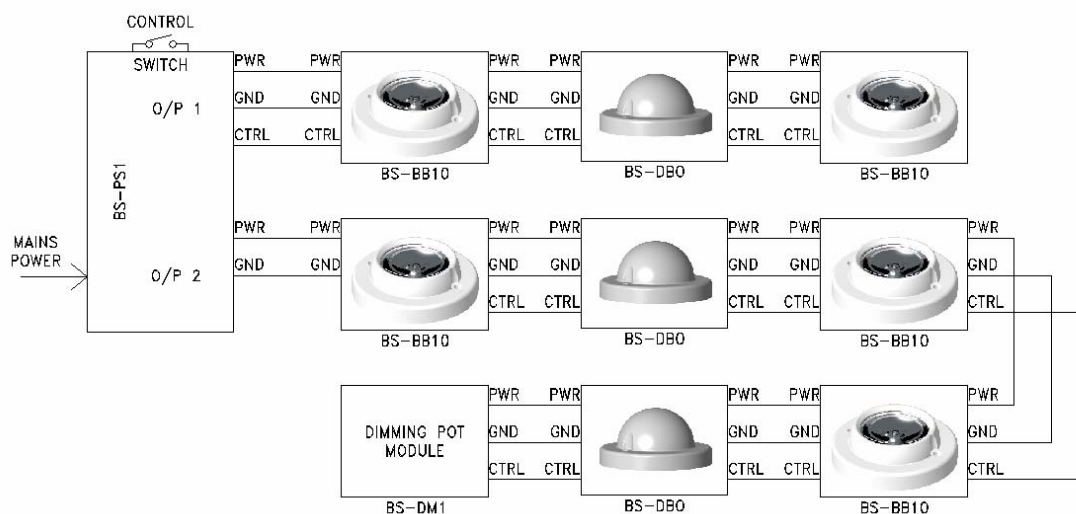
The BS-PS1 casing has a number of 20mm knockouts for cable glands or conduit.

#### Electrical & Mechanical Properties

- Input Voltage: 85-264V AC
- Input Frequency: 47-63Hz
- Nominal Output Voltage: 12V DC
- Maximum Load: 10 Beams/Domes
- Dimensions: w. 145 h. 230 d. 45

The control PCB inside the BS-PS1 has 2 output connectors labelled PWR, GND and CTRL. These connect to the corresponding terminals on the BlueDome/Beam. The SWITCH terminals should be wired to a normally open switch to enable the fittings to be switched on and off. If no switch is required, simply link these terminals.

## Connection Example



The schematic above shows the use of a BS-PS1. In this example, the fittings connected to O/P 1 will be controlled by the switch connected to the switch input on the BS-PS1. They will also be affected by the 'TOPSET' control. This allows you to set the on level from 0-100%. By connecting a BS-DM1 and removing the CTRL line from the power supply, the second set of fittings can be dimmed using the BS-DM1. These will not be affected by the switch on the BS-PS1.

**DO NOT EXCEED THE TOTAL LOAD OF 10 UNITS ON ONE POWER SUPPLY.**