

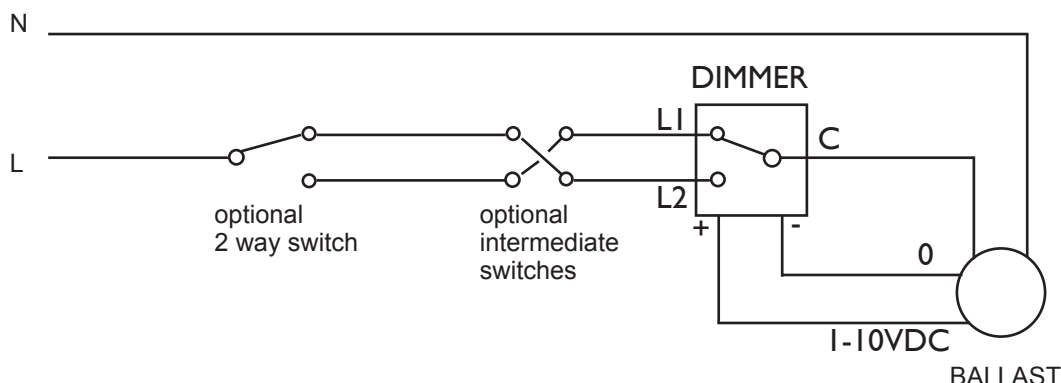
DP1D 10VDC SB

DIMMER for a single HF ballast

The DP1D 10VDC SB is suitable for controlling the brightness of a load controlled by a 1-10VDC high frequency dimmable ballast.

The control comprises a push-push 2-way switch and a rotary control function. This enables the lights to be switched on and off at the selected brightness, either at the control or by another 2-way switch or intermediate switches.

1. Read these notes before commencing work.
2. In case of doubt consult a qualified electrical contractor.
3. Make sure power is switched off from the circuits you are working on by removing appropriate fuses, or switching off appropriate isolating switches.
4. The power supply to the ballast is switched by the 1 or 2-way switch terminals marked L1, L2, and C.
5. The circuit diagram is as below:-



6. The knob controls the brightness of the load via the 1-10Vdc separate terminal block on the dimmer which is connected by 2 wires to a double terminal block on the ballast. The terminals marked L1 and L2 allow the option of 2-way circuit switching.
7. Each gang / module can control up to twenty 1-10V ballasts., assuming each ballast draws 1mA (or less) through the voltage control lines.
8. Total load including ballasts, lamps plus other load must not exceed the following:

6 amps (1500W)	Incandescent or mains halogen lamps (recommended with integral safety fuse)
4 amps (1000W)	Electronic or wire wound transformers.
	Fluorescent lamps (high frequency or soft start)
2 amps (500W)	2 amps (500W) of CFL, 2D lamps, LED Drivers and LED lamps and fittings.
1 amp (250W)	Most metal halide lamps and fans.

Minimum load 2W resistive, suitable for most energy saving lamps, LEDs and emergency fittings.