



TECHNICAL DATA SHEET

OPTO SWITCHER

42-6701 CANFORD OPTO-SWITCHER MK.2

INTRODUCTION

This free-standing unit allows the remote switching of mains powered equipment while maintaining electrical isolation from the mains.

Control is implemented using either a closing contact or by applying 5-50 volts DC.

Switching occurs at the zero-crossing point of the mains cycle, which together with spike suppression components, ensures that interference is virtually eliminated.

Mains input and output connectors are IEC (CEE22) 3 pole with a 20mm fuse on the input line.

The control input uses a 3 pin female XLR panel connector:

SWITCHING METHOD 1

Apply a closing contact across pins 1 and 3 of the control XLR.

If logic or transistorised switching is intended, the following information may be helpful:

- (1) Pin 3 is at zero volts.
- (2) Pin 1 – the open circuit voltage is approximately +5VDC (load switched off)
- (3) Pin 1 when forced low (<1v) requires a current sink capability from the switching element of <1mA.

SWITCHING METHOD 2

Apply between +5 to +50VDC to pin 2 relative to pin 3.

TECHNICAL SPECIFICATION

Mains input:	230VAC
Fuse:	20mm; 6.3(T) HRC (Stock code:42-275)
Max load (resistive):	1.5kW
Contact closure output sink requirement:	5VDC @ <1mA (close to switch load on)
DC input:	5-50 (pin 2 positive) (close to switch load on) 50vDC @ < 2mA
Control to mains isolation:	1.5 kV
Size:	Standard extruded case; 107 x 93 x 50mm
Weight:	320g
Mating connector stock codes:	IEC input 42-154 IEC output 42-153 Control input 41-032

Ensure that the case receives adequate ventilation.



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WARNING: THE CASE IS CONNECTED TO MAINS EARTH-ALWAYS USE MAINS EARTH!

