

NOTE

This product is intended for professional installation by suitably qualified personnel in accordance with current electrical and mechanical safety and EMC standards.



Overview

The Equine SunSwitch Controller + Timer is designed to regulate the output from Equine SunSwitch heaters. The timer allows the 'on' duration to be set for up to 60 minutes. Operation can be cancelled at any stage by pressing 'On/stop'. The unit is IP65 rated (meaning it is fully protected against dust and water jets) and is therefore suitable for use outdoors or in wash down bays. When turned down, the controller reduces both heat output and energy consumed and, since the heaters then run cooler, the operating life of the elements is extended.

Features

- IP65 rated - suitable for use outdoors or in wash down bays
- 0 -100% control of up to 3kW load at 240Vac
- Variable timer - up to 60 minutes 'on' time
- Integral ON/OFF switch
- High reliability semiconductor circuit
- Integral RFI filter for CE EMC compliance

The controller employs an advanced phase-cut circuit with a high surge rating triac. It is extremely simple to install, with just neutral, live and earth inputs, and connections to the heater/s.

Installation

Points to remember

1. This product should be installed by suitably qualified personnel in accordance with current electrical/mechanical safety and EMC standards.
2. The unit must be surface mounted on a wall and not recessed into a cavity. It must be sited away from direct sources of heat and outside the radiant zone of the heaters, in a position where adequate ventilation exists. Allow at least 25mm clearance on all sides. Do not cover or mount in unventilated panels. In operation the unit becomes slightly warm. This is normal.
3. When reassembling, ensure lid gasket is properly seated. Take care to ensure LED is correctly aligned with hole in lid (do not force lid on).

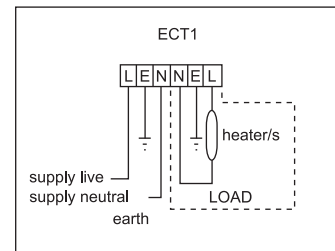
Protection fuse

It is recommended that a suitable fuse or circuit breaker (MCB) be employed to protect the controller and the supply from overloading. The fuse level depends on the load current rating. The fuse value for this product is up to 13A. A switched fused outlet is recommended.

ECT1.2 Equine Controller + Timer Installation instructions



Wiring



Specification

Supply voltage	200 - 264Vac 50-60Hz
Current rating	13A @ 30°C ambient; 17A @ 25° ambient
Triac current	24A rms
Peak surge current	240mA
Holding load current	30mA (min)
Repetitive peak voltage	600V
I ² t for fusing	112A ² S
Isolation	2500V rm
Storage temperature	-10°C to 80°C
Weight	0.60Kg
Dimensions	105 x 105 x 60mm (hwd)



CE approved.

Warranty

This product is guaranteed against faulty components or manufacture for a period of 12 months from date of purchase (proof of purchase required). The warranty excludes normal wear and tear. In the event of a claim please contact Equine SunSwitch on +44(0)1424 883344 or write to us at the address given below. No liability can be accepted for any fault arising from incorrect siting, installation or handling (please refer to installation instructions).

Conformity

BS EN 60950-1:2006, BS EN 61000-6-2:2005:2006, BS EN61000-4-3:2002, BS EN61000-4-3+A1:2008, BS EN61000-4-11:2004, BS EN61000-4-5:2006, BS EN61000-4-4:2004, BS EN61000-4-2:1996, BS EN61000-3-2:2006, BS EN61000-3-3:1994. BS EN 61000-6-4:2007Class A