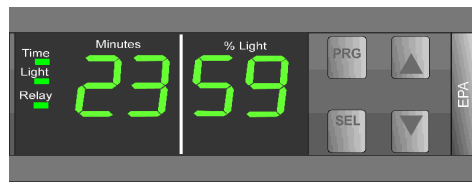




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DIGITAL DUSK / DAWN CONTROL.



Time Clock Adjustment

The time clock is adjusted as per the enclosed operating instructions; NEVER TURN THE CLOCK HANDS ANTI CLOCKWISE. The outer dial is to be extended out for the OFF period of lighting.

Digital Dusk / Dawn Adjustment.

When the lighting is on the digital display indicates two sets of digits.

The first digits are the time range in minutes for the lighting to ramp down to zero and to ramp up to the desired brilliance. The adjustable time range is 0 – 99 minutes.

The second digits are the lighting brilliance this is shown as a percentage. The lighting will ramp down from this brilliance setting to zero when the lighting switches off and will ramp back up to this brilliance when the lighting switches back on.

Any adjustments made to the controller can only be carried out when the lighting system is on; (Time Clock Setting On) this is for safety and welfare of the livestock, and the dusk dawn controller has completed the ramping up function.

To adjust the ramp up / ramp down time range:

Press the PRG key the time indicator cursor will illuminate.

Press the UP or DOWN keys to adjust the desired time range (minutes).

To adjust the lighting brilliance

Press the PRG key twice the light indicator cursor will illuminate

Press the UP or DOWN key to adjust the desired brilliance.

Press the PRG key to return to display the unit will automatically return after a short time period

Switch / Indicator Lamp Operation

The control is fitted with a three position switch **HAND / OFF / AUTO**.

HAND - Operation of the switch will operate the lighting at 100% brilliance and will have no operation from the time clock or the digital dusk dawn control. The Green Indicator Lamp will be illuminated





OFF- lighting system Green, Indicator Lamp will not be illuminated.

AUTO – Operation of the switch will operate the lighting in accordance with the dusk dawn control and the switching times adjusted on the time clock. Green indicator lamp will operate when the lighting is on.

WHITE Indicator Lamp Power Supplied to Panel

WARNING ISOLATE THE MAIN POWER TO THE PANEL BEFORE OPENING THE PANEL OR WORKING ON ANY PART OF THE LIGHTING SYSTEM

Front Panel Functions

-  **PRG mute** Accesses set time when pressed momentarily. Press again to access % light. One further press returns to normal display mode.
-  **SEL rst** This Button is not used and performs no function.
-  **▲** Increments value.
-  **▼** Decrements value.

Rear Panel Functions

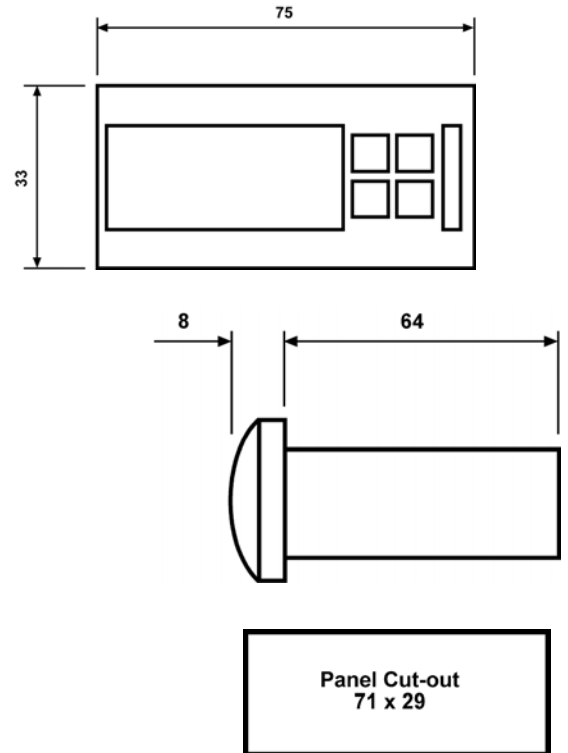
Night: Closing this connection causes the light to dim to 0% over the set time period then after 10 sec opens the relay contact.

Opening this connection turns on the relay and increases the lights to Max % Level over the set time period

0v : Is the ground reference.

0 – 10v : Is the voltage output.

Dimensions



All Dimensions in mm.

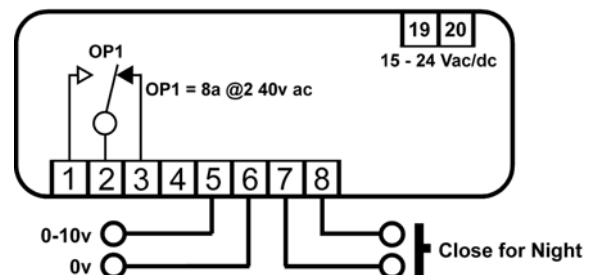
Adjusting Set Time

The Time and Light settings can only be adjusted when the unit is in the day mode and not ramping up or down. Press the PRG button and the display will flash the Time LED. The time can be increased to .99 minutes with the ▲ Button and decreased to 1 minute with the ▼ Button.

Adjusting Maximum Light

Having set the time Press the PRG button and the display will flash the LIGHT LED. The maximum % Light can be increased to 99% with the ▲ Button and Decreased to 1% with the ▼ button. Press the PRG button again to return to the normal running mode.

Wiring Diagram



Specification

- Ambient Temperature:** 0 to 50°C.
- Storage Temperature:** -10 to 70°C.
- Power Supply:** 12 – 24v AC/DC +/- 10%
(110v AC or 240v AC may be used with separate transformers TRA11 and TRA12 respectively)
- Power Consumption:** 3VA Max.
- Contact Rating OP1:** 8A @ 240v AC resistive.
- Electrical Life:** 200,000 operations at rate load.
- CE Approvals:** EMC EN 50081-1
EN 50082-1
Low Voltage EN 61010-1