

Light Dimmer Box (LDB)

The Light Dimmer Box is a two-channel control designed around its easy-to-use functionality and ability to control LED, CFL, or incandescent lights. The large display is bright and easy to read and the keypad makes it a breeze to navigate through the menu and program the control.



Features

Controls AC or DC-Powered Lights

The Light Dimmer Box can control lights requiring variable AC or a 0 to 10 V DC signal. An internal disconnect switch is included for the DC-signal output.

This device is particularly useful for those who require precise control over their lighting. The Light Dimmer Box allows users to dim the lights to their desired level, creating the perfect ambiance for any setting.

Fully Configurable Lighting Program

Each channel has a separate lighting program you can configure to run for up to 365 days. The lighting programs consists of events and schedules. An event is a change in light output at a specific time.

A schedule is a group of days that have the same events. There are separate ramp-up and ramp-down durations.

- LED, CFL, and incandescent light compatibility
- Two automatic modes:
 - Power mode controls by 0 to 100% power output
 - Sensor mode controls by measured LUX output
Requires DOL 16 light sensor
- Configurable 365-day lighting program
- Independent programs for each channel
- Up to 20 schedules/lighting periods, per control mode
- Up to 12 events per schedule
- Separate ramp-up and ramp-down durations
- Automatic program restart option
- Manual override

- Two variable AC channels
- Two DC-signal channels
- Two disconnect relays
- Two light sensor connections
- Light output calibration
- Four-line, 20-character backlit LCD display
- Real-time clock with power-failure settings protection
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- CSA approval
- Limited warranty (two years)
- IP-66 rated

Specifications

Power	120/230 VAC, 50/60 Hz
Control fuse	4250 V, 1 A fast-acting glass
Variable AC (2)	10 A at 120/230 VAC, general-purpose (resistive) 1200 W at 120 VAC; 2300 W at 230 VAC
Variable AC fuses (2)	15 A, 250 VAC ABC-type ceramic
Relays (2)	10 A at 120/230 VAC, general-purpose (resistive) 1/3 HP at 120 VAC, 1/2 HP at 230 VAC 360 W tungsten at 120 VAC
Relay fuses (2)	12 A, 250 VAC ABC-type ceramic
DC signal outputs (2)	0 to 10 V, 30 mA
Alarm relay	0.4 A at 125 VAC, 2.0 A at 30 VDC, resistive load 0.2 A at 125 VAC, 1.0 A at 30 VDC, inductive load



Accessories

Expansion Boxes

Expansion Boxes are an affordable way to expand the capacity of your lighting system. Installation is simple and requires no additional configuration or programming; all Expansion Boxes follow the Light Dimmer Box.

DOL 16 Light Sensor

The DOL 16 Light Sensor (model DOL16LIGHT) is designed to measure light intensity in livestock environments but is also well suited for industrial applications. The sensor has two analog outputs with signals for 0 to 100 LUX and 0 to 1000 LUX.



LDB Saver

The LDB Saver is an innovative and easy-to-use product that stores a complete copy of a Light Dimmer Box's settings. You can restore the configuration and settings any time, or even set up new controls in seconds!

LDB Updater

The LDB Updater is an innovative and easy-to-use product that updates the firmware of Light Dimmer Boxes as new versions become available. The LDB Updater takes seconds to use and can update all the Light Dimmer Boxes at your site.

