

## LIGHTOLIER CONTROLS

*Lightolier Controls is a Philips brand*

A DESIGNER-STYLE,  
MICRO-TOUCH DIGITAL DIMMER  
FOR USE WITH ADVANCE MARK 10® BALLAST  
LOW-WATTAGE: 600VA-1000VA  
(FOR 600VA-1000VA ONLY)

Project: \_\_\_\_\_

Location/Type: \_\_\_\_\_

### Description

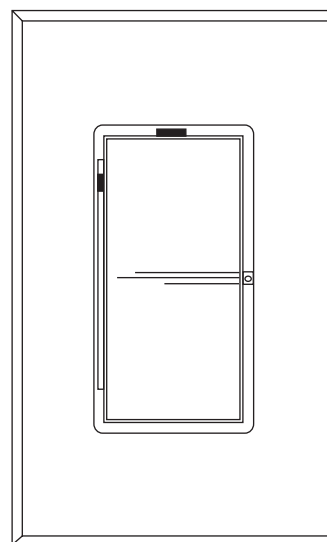
The Onset Electronic Dimmable Fluorescent Ballast EB Dimmer is a digital, microtouch preset dimmer, designed for use with permanently installed fluorescent loads with direct drive forward phase ballast, Advance Mark 10® (600EB-1000EB) or other direct drive dimmable electronic ballasts at 120V. The unit is equipped with an automatic fade and LED readout, providing full-function, three-way and multi-location dimming control when used with Onset Remotes. Onset Masters and Master Remotes have the ability to control up to four Onset dimmers simultaneously, offering an economical way to create preset lighting scenes.

### Features

- LED readouts, including:
  - A soft green LED which indicates the current preset
  - A bright green LED which indicates the current level
  - A blinking red LED which indicates a fading off process
  - A glowing red LED which indicates that the dimmer is off
- As an individual device, the Onset Electronic Dimmable Fluorescent Ballast EB Dimmer has the capability to recall two presets—a user-selected “on” level and full brightness.
- Manual override—allows the lights to be adjusted to any level without affecting the preset level(s), including full brightness.
- Automatic fade—gently turns the lights on and off, thereby preserving the unit’s lamp life.
- Power failure memory—a feature that returns the dimmer to the level of lighting the unit held before the power failure occurred.
- Full-Function, Onset Remotes allow total dimming control from multiple locations.

### Onset Operation

- Set a preset from the off position:
  - Press and hold down the rocker top located on the device.
  - Release the rocker top at the desired level.
  - Press the button labeled “Set” which is located on the right side of the device’s frame.
- Turn a group of lights on to the preset:
  - Tap the rocker top once.
- Turn a group of lights on to full power:
  - Tap the rocker top twice.
- Adjust the lighting level:
  - Hold down the top or bottom of the rocker.
  - When the desired lighting level is reached, release.
- Turn the lights off:
  - Tap the rocker bottom once or twice until the lights fade off.



OS600EB / OS1000EB

Compli faceplate sold separately.  
Custom engraved faceplates available.

Description	Model Number	Color Suffix
Onset 600VA EB Dimmer	OS600EB	W I
Onset 1000VA EB Dimmer	OS1000EB	W I

W=White, I=Ivory

# ONSET ELECTRONIC DIMMABLE FLUORESCENT BALLAST EB DIMMER

Product  
Specifications

## Specifications

The Onset Electronic Dimmable Fluorescent Ballast EB Dimmer is UL Listed to U.S. and Canadian safety standards for 120VAC, 60Hz, 600EB/1000EB operations to control Advance Mark 10® direct drive dimmable electronic ballast. Device operations include:

- Fade to preset
- Fade to full brightness
- Fade to off

The unit has the capability of storing two presets in its memory—a user-selected preset and full brightness. Through the use of an Onset Master controller, it is possible to control up to four devices simultaneously, and to recall two preset scenes. This dimmer also allows manual override of any preset level, without affecting the level set into memory.

The Onset Electronic Dimmable Fluorescent Ballast EB Dimmer has LEDs that indicate the preset lighting level, the user preset and the off status. Following a power interruption, the Onset Dimmable Electronic Ballast Dimmer returns to the lighting level it maintained before the interruption. It also accepts full-function commands from an unlimited number of multi-location Onset Remotes.

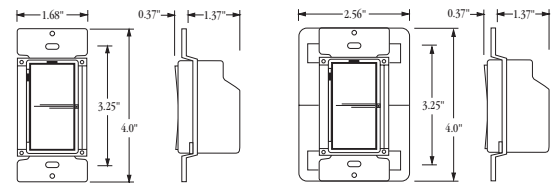
The unit's toroidal filters are used to suppress RFI and EMI. Its air gap is used to open the circuit completely. However, the air gap is unobtrusive and is not required for normal operations.

This device mounts in a single-gang wall box and can be combined with a designer-style faceplate, as well as Compli Screwless Faceplates which come in the colors of white, ivory, almond, grey, black, or brown. (sold separately)

Fins Broken De-Rating Chart (OS1000EB only)	
Dimmer Rating	1000VA
1 Side Removed	800VA
2 Sides Removed	600VA

When ganging the 1000VA dimmer with other devices, de-rating is required.

## Dimensions



OS600EB

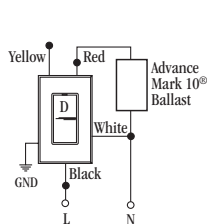
OS1000EB

## Total Ballast Quantity

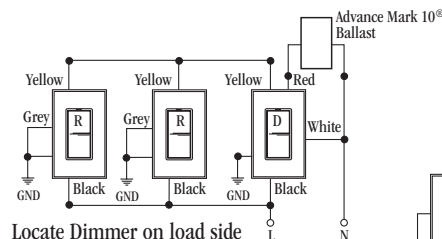
Lamp Watts	Type Lamp	Ballast Model	No. of Ballast	Lightolier Dimmer Model
26	T4	REZ-IT32	19	OS600EB
			35	OS1000EB
32	T4	REZ-IT32	15	OS600EB
			25	OS1000EB
42	T4	REZ-IT42	12	OS600EB
			20	OS1000EB
26	T4	REZ-2Q26	10	OS600EB
			17	OS1000EB
40	T5	REZ-ITT540	15	OS600EB
			24	OS1000EB
40	T5	REZ-2TT540	7	OS600EB
			12	OS1000EB
25	T8	REZ-132	19	OS600EB
			35	OS1000EB
25	T8	REZ-2532	10	OS600EB
			16	OS1000EB
25	T8	REZ-3532	6	OS600EB
			11	OS1000EB
32	T8	REZ-132	15	OS600EB
			25	OS1000EB
32	T8	REZ-2532	8	OS600EB
			13	OS1000EB
32	T8	REZ-3532	5	OS600EB
			9	OS1000EB

## Wiring Diagrams

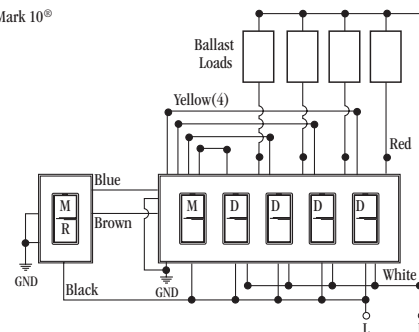
### Single Pole



### 3-Way/Multi-Location



### Master/Master Remote



Key : D=Dimmer, R=Remote, M=Master, MR=Master Remote

Note : When using the OSM 4 Onset Master, all dimmers must be on the same phase.



We reserve the right to change details of design, materials and finish in any way that will not alter the installed appearance or reduce function performance.

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Made in U.S.A.

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