

LIGHTOLIER CONTROLS

OPTIO SCR STANDARD PERFORMANCE DIMMING MODULE

OPT42000: QUAD 2000W 120V
(OPT4200015: QUAD 1800W 120V)

Project:

Location/Type:

Description

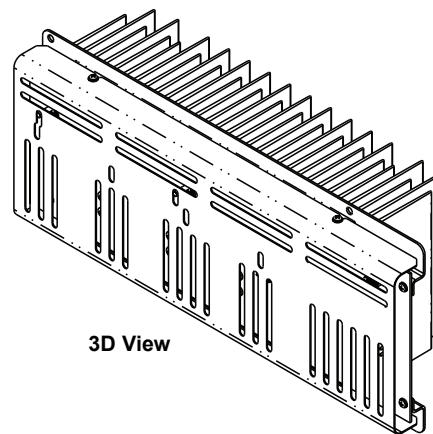
Optio OPT42000/OPT4200015 Dimmer Modules are robust, commercial grade dimmer modules containing four independent dimmers. Each unit employs two silicon controlled rectifiers, placed in a back to back configuration, and each device is rated at no less than double the dimmer's rated capacity. They are c.U.L. recognized and rated for operation at 120VAC, with a capacity of 2000 watts per dimmer (OPT4200015 modules are rated for 1800 watts per dimmer). The module is ruggedly designed, fully enclosed module. Modules are easily installed into an Optio Lighting Control Panel, and may be easily interchanged with other Optio modules.

Features

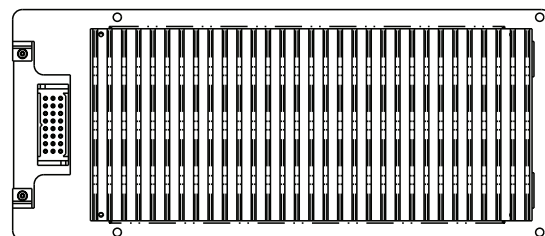
- Four dimmers rated at 2000 watts each (OPT4200015 rated for 1800 watts per dimmer)
- Designed to dim incandescent, inductive and magnetic low voltage loads
- Local 'Focus' button allows manual operation of dimmer circuit.
- Dual-color LED indicators provide status information
- Modular construction with plug-in capability
- Mounts into any Optio 120VAC Lighting Control Panel

Ordering Info

OPT42000	Optio SCR Dimming Module, Quad 2000 Watts, 120VAC
OPT4200015	Optio SCR Dimming Module, Quad 1800 Watts, 120VAC (15A Circuit Breaker)



3D View



Rear View

Specifications

The Optio OPT42000/OPT4200015 SCR Dimmer Module shall contain four solid-state dimmers rated for 2000 watts each (OPT4200015 rated for 1800 watts per dimmer). The dimmers shall be UL and cUL recognized, and approved to control incandescent, inductive, and magnetic low voltage loads. Dimmer modules shall be constructed using two silicon controlled rectifiers placed in a back-to-back configuration for each circuit, and shall be capable of handling current rated for twice the dimmer's load rating.

The Optio OPT42000/OPT4200015 SCR Dimmer Module shall provide a locally mounted 'Focus' button for each dimmer. Tapping the Focus button shall turn the dimmer to full on, tapping the Focus button a second time shall turn the dimmer to off. Pushing and holding the Focus button will ramp the dimmer output up, and shall stop ramping and hold position when the Focus button is released. The Dimmer Module shall contain a dual-color LED display to indicate dimmer status and error conditions.

The Optio OPT42000/OPT4200015 Dimmer Module shall be constructed with a robust anodized aluminum heatsink, and painted metal cover. Optio Dimmer Modules shall be capable of installation into any slot in any Optio Lighting Control Panel of the appropriate operating voltage.

Electrical

Operating Voltage: 120VAC, 50/60Hz

Number of Dimmers per module: 4

Maximum Load Wattage:

2000 Watts per dimmer (OPT42000)

1800 Watts per dimmer (OPT4200015)

Compatible Load Type(s):

Incandescent, Inductive, Magnetic Low Voltage

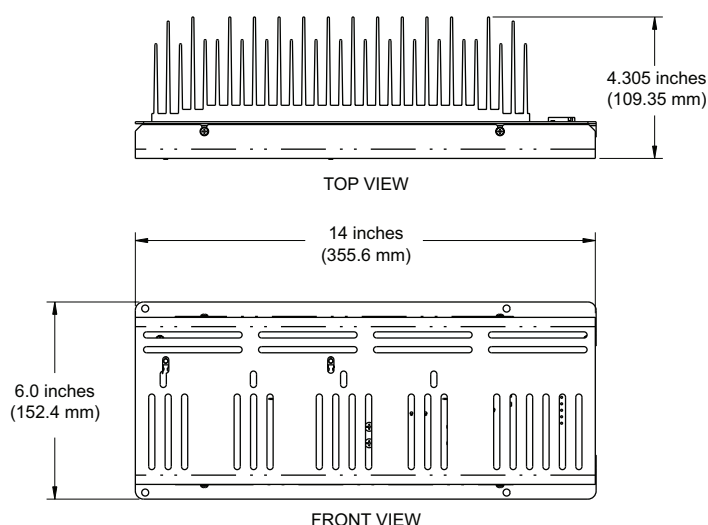
Efficiency: 97%

Operating Temperature Range: 0-40°C

Operating Relative Humidity: 10-90% (non-condensing)



Dimensions



Installation in an Optio Lighting Control Panel

NOTE : The Optio 9-Module Panel model is used to illustrate the installation, however, the module installation is identical for all Optio Panel models.

