



OPTIO™ 3-WIRE PHASE-CONTROLLED
FLUORESCENT DIMMING MODULE
OPT24000F7: DUAL 4000VA 277V

Project:

Location/Type:

Description

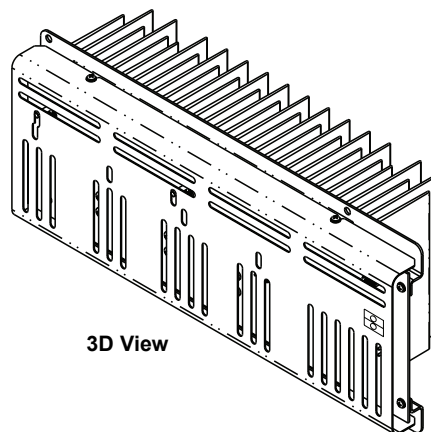
Optio™ OPT24000F7 Dimmer Modules contain two high-quality 3-Wire Phase Controlled Fluorescent dimmers. Each dimmer employs solid-state Silicon Controlled Rectifier (SCR) devices which are rated at no less than double the dimmer's rated capacity. They are c.U.L. recognized and rated for operation at 277VAC, with a capacity of 4000VA each. 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

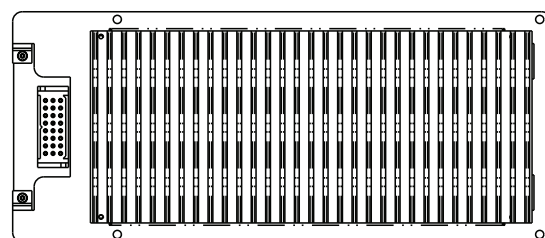
- Two Circuits rated at 4000VA each
- Designed to dim 3-Wire Phase Controlled Fluorescent Dimming Ballasts
- Local 'Focus' button allows manual operation of dimmer circuit.
- Dual-color LED indicators provide status information
- Modular construction with plug-in capability
- Mounts into any Optio™ 277VAC Lighting Control Panel

Ordering Info

OPT24000F7 Optio™ 3-Wire Phase Controlled Dimming Module, Dual 4000VA, 277VAC



3D View



Rear View

Specifications

The Optio™ OPT24000F7 3-Wire Phase-Controlled Dimmer Module shall contain two solid-state dimmers rated for 4000VA each. The dimmers shall be UL and cUL recognized, and approved to control 3-wire phase-controlled fluorescent dimming ballasts. 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™ OPT24000F7 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™ OPT24000F7 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: 277VAC, 60Hz

Number of Dimmers per module: 2

Maximum Load Wattage: 4000VA per dimmer

Compatible Load Type(s):

3-Wire Phase-Controlled Fluorescent Dimming Ballasts

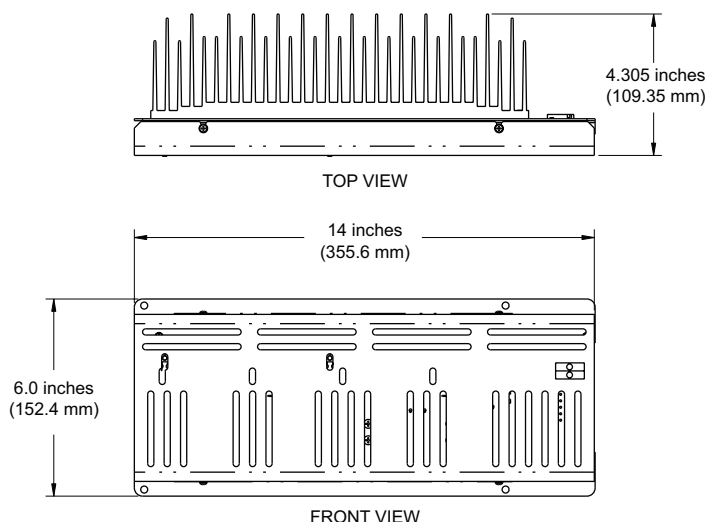
Efficiency: 98%

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.

