



Features

- TOPAZ 24 houses twelve plug-in dimmer modules available in 120 volt dual 1.8kW, 2.4kW, single and 240 volt dual 2.5kW capacities (order dimmer modules separately)
- Plug-in electronic control module (order separately)
- Top and bottom panels are pre-punched with knockouts for line and load runs (quickly and easily installed)
- Rugged compact design
- Single or three-phase input power, 120 or 240 volts
- Locking door to prevent unwanted access to rack
- Ambient air is drawn through the dimmer and exhausted through the rack top. The airflow is not drawn over any electrical connections. No filter is required
- UL Listed (120V units)
- CSA Certified (120V units)

Topaz™ 24 Dimmer Rack

Dimensional Data - in. [cm] lbs. [kg]

Width	14.0 [35.6]
Depth	9.0 [22.9]
Height	21.5 [54.6]
Weight (w/dimmers)	57.0 [25.9]

Topaz™ 24 Dimmer Rack

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Specifications

- The TOPAZ 24 dimmer rack is a wall-mount dead front switchboard measuring 21 1/2"H x 14"W x 9"D and housing all specified equipment. Constructed of code gauge formed steel and aluminum structural members, all surfaces are finished in black polyurethane paint. The rack weighs 24 lbs. (57 lbs. including dimmer and control modules).
- Racks are designed to allow for adjacent or back-to-back mounting of multiple racks. The rear section of the rack utilizes a contactor's wireway with a minimum of 5" of wiring space behind the dimmer module. The following multi-size knockouts are provided on both the top and bottom of the rack for contractor entry: four 1/2", 3/4", 1 1/4" knockouts and one 1 1/2", 2", 2 1/2" knockout.
- The rack is constructed to permit insertion and removal of dimmers and control modules without the use of tools. Positive, interlocking guides provide precise alignment of the dimmers to the signal and power connectors in the rack. Dimmer supports incorporated into the sides of the rack, allow clear access to the power load, and neutral terminals and the wireway.
- The rack is designed to contain twelve plug-in dimmer modules. Each dual module position has a mating power bus, two load connectors and three gold-plated PC signal contacts. The control module position includes appropriate contractor control signal terminal blocks and a signal distribution connector.
- The rack contains a continuous-duty low-noise fan with a maximum NC rating of 27 to maintain temperature at proper operating levels with all dimmers under full load and ambient temperature up to 104° (40°C). The rack provides an airflow sensor to shut off dimmers in the rack if safe

operating temperatures are exceeded. Cooling air is drawn through the dimmers and exhausted through the top of the rack. Since there is no air flow over any electrical connections in the dimmer, no filtration is required.

Mechanical

- The rack has a lockable door with a maximum swing radius of 4 1/2" to prevent unauthorized access to dimmer and control modules. A blank label is provided inside the door directly adjacent to each dimmer for user identification of each circuit.
- Both load and neutral terminals accept up to a #2 gauge wire. Neutral terminals are located directly adjacent to load terminals for ease of contractor wiring. Provisions are made for optional fault current protection devices which may be installed and serviced from the front of the rack.
- The rear of the rack contains holes for 3/8" diameter bolts for simple contractor installation onto a wall. The location of holes are on 16" centers for mounting the Topaz 48 on wall studs.

Electrical

- The rack is designed to operate from 120 or 240 volts and either single or three phase power.
- The rack is factory-tested and control modules are burned in at elevated temperatures for a minimum of four hours. The rack is UL Listed and CSA Certified for 120V applications and has an interrupting capacity of 10,000A.

Description

Cat. No.

Topaz 24 Standard Dual 1.8/2.4kW (120V)	FGP-LEC2001
Topaz 24 Dual 1.8/2.4kW (240V)	FGP-LEC2003
Topaz 48 Standard Dual 1.8/2.4kW (120V) two cross-bussed Topaz 24 cabinets (requires two control modules)	FGP-LEC2006

Modules

Cat. No.

Filler Module	CTP-166-360
1.8kW Dual Universal Dimmer Module (120V)	CTP-166-361
2.4kW Dual Universal Dimmer Module (120V)	CTP-166-362
230V 2.5kW Universal Dimmer Module (240V)	CTP-166-364
20A Constant Module	CTP-166-381
Universal Control Module (120V)	CTP-600-902
Universal Control Module (240V)	CTP-600-904
Remote Control Module (120V)	CTP-LEC2102
Remote Control Module (240V)	CTP-LEC2105

Accessories

Cat. No.

Single Phase Conversion Kit	CTP-LEC2012
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Specifications subject to change without notice

