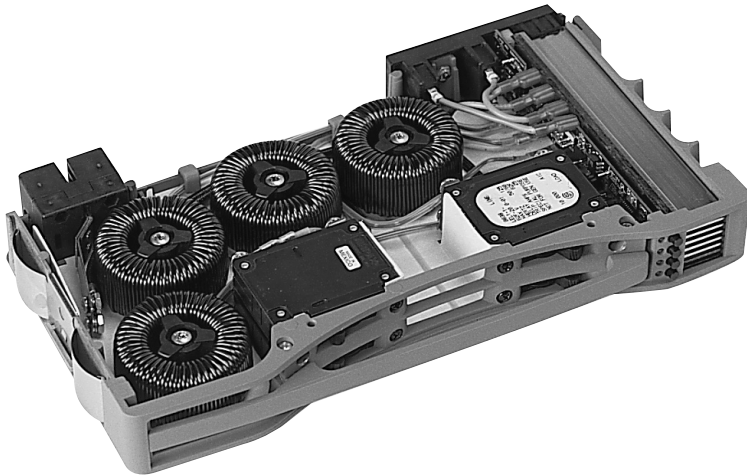


i Series Quad Dimmer Modules



*i*series®

FEATURES

- Four 15 or 20 amp dimmers on a single compact chassis
- Discrete components insure high reliability
- Power regulation gives smooth consistent power output despite fluctuations in line power input
- LEDs on each module offer immediate local feedback at the rack
- Control signal is optically isolated to 4,000 Volts
- 350 microsecond rise time
- Rugged mechanical design for reliability
- “Floating” load and line connectors allow for smooth insertion and removal of the module and ensures the integrity of all power and control contacts
- User serviceable components
- UL Listed and C-UL Listed
- Latching on/off test switch for each dimming channel
- Individual module overtemp warning and shutdown feature

DIMENSIONAL DATA - IN. [CM] LBS. [KG]

Width	12.5 [31.8]
Depth	7.0 [17.8]
Height	1.5 [3.8]
Weight	7.0 [3.2]

INDICATORS

Load LED (Per Channel)	Indicates
Variable Green	Load Tracking
Amber	Overtemp Warning W/Load Tracking
Red	Overtemp Shutdown

PRODUCT DATA



SPECIFICATIONS

- Reliability and Performance with exceptional value
- The dimmer module is designed for superior reliability in the most demanding of operating conditions
- Each dimmer module also monitors its temperature and reports this information to the control module

MECHANICAL

- All dimmers are housed in removable modules made of die-cast aluminum. Each module contains 4 circuit breakers, a solid-state SCR switching device (SSR), an interface PCB, and 4 chokes. The face of the module has a handle, the circuit breaker switches, air vents and LEDs for local feedback. The left side of the module has a wide section of sprint steel to insure a proper fit for each module in the rack. All electrical contacts feature self-aligning floating connectors to insure precise alignment of all connections. All dimmer modules can be inserted and removed without the use of any tools.

ELECTRICAL

- The i Series Quad dimmer module is designed to operate on voltages ranging from 90-140VAC (120 Nominal) or 198-264VAC (230V nominal) at 47/63 Hz. The dimmer module electronics' firing signal is optically isolated to 4,000 Volts from the power semiconductors.
- The module can also maintain proper output voltage regulation within +/- 1Volt over the line voltage range
- When dimmer is set as a non-dim, it passes on unregulated sine wave.
- Each dimmer tracks operating conditions and provides feedback to the control module which transmits the information to the user interfaces and/or the LEDs on the face of the dimmer module. Real-time feedback information includes the following data: Overtemperature Warning, Overtemperature Shutdown.
- Modules are available in 350MicroSec (120V) or 280MicroSec (230V) rise times. Oscillographic evidence of rise time data is available upon request.
- Airflow modules are required in unused slots in order to maintain proper rack ventilation.
- 120V units are UL listed and C-UL listed (for Canadian applications).

DESCRIPTION	RISE TIME	CURRENT RATING	MAX HEAT LOSS PER CHANNEL		
	Microseconds		Watts	BTU's/hr	Ton of AC
1.8kW 120V Quad Dimmer Module	350	4 x 15A	42	143	.012
2.4kW 120V Quad Dimmer Module	350	4 x 20A	56	191	.016
4.0kW 230V Quad Dimmer Module	280	4 x 20A	56	191	.016
15Amp 120V Quad Constant Module		4 x 15A			
20Amp 120V Quad Constant Module		4 x 20A			

CAT. NO.	DESCRIPTION
IED43-115	Quad Dimmer, 1.8kW, 120V, 350us
IED43-120	Quad Dimmer, 2.4kW, 120V, 350us
IEC40-120	Constant Module, 20A, 120V
IEC40-115	Constant Module, 15A, 120V
IED43-215	Quad Dimmer, 4.0kW, 230V, 270us
CTP-4-1099	Air Flow Module for i Series, i Series e, and i Series quad

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

Leviton Manufacturing Co., Inc. Lighting Management Systems

20497 SW Teton Avenue, Portland, OR 97062

Telephone: 1-800-736-6682 • FAX: 503-404-5594 • Tech Line (6:00AM-4:00PM P.S.T. Monday-Friday): 1-800-959-6004

Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

Leviton S. de R.L. de C.V.

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

Visit our Website at: www.leviton.com/lms

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