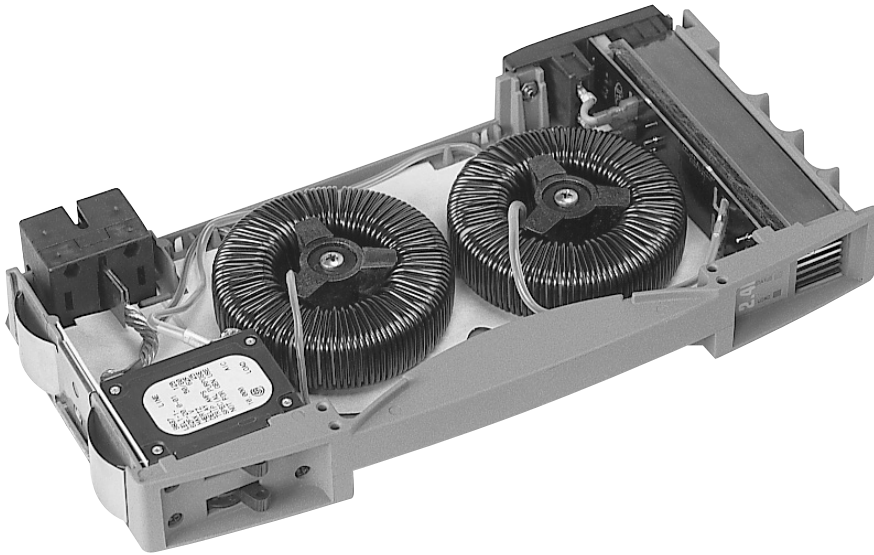


i Series® e Dimmer Modules



FEATURES

- Power regulation gives smooth consistent power output despite fluctuations in line power input
- LEDs on each module offer immediate local feedback at the rack
- Individual module overtemp warning and shut-down feature
- Control signal is optically isolated to 2,000 Volts
- Standard 500 microsecond and high performance 800 microsecond rise time models available
- 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
- 120V Units UL Listed and cUL Listed

DIMENSIONAL DATA - IN. [CM]

	Single/Dual	Dual Constant	Double High
Width	12.5 [31.8]	12.5 [31.8]	12.5 [31.8]
Depth	6.5 [16.5]	6.5 [16.5]	6.5 [16.5]
Height	1.5 [3.8]	1.5 [3.8]	3.0 [7.6]

INDICATORS

Status LED	Load LED	Indicates
Green	—	DC Power to Control Panel
Green	Variable Green	Load Tracking
Amber	Variable green	Overtemp Warning W/Load Tracking
Red	Off	Overtemp Shutdown

DESCRIPTION	RISE TIME	CURRENT RATING	MAX HEAT LOSS PER CHANNEL		
	Microseconds		Watts	BTU's/hr	Ton of AC
i500 1.8kW 120V Dual Dimmer Module	500µ	2 x 15A	70	239	.020
i500 2.4kW 120V Dual Dimmer Module	500µ	2 x 20A	93	317	.027
i500 6.0kW 120V Single Dimmer Module	500µ	50A	264	900	.076
i500 2.5kW 120V Dual Dimmer Module	500µ	2 x 15A	119	406	.034
i350 5.0kW 230V Dual Dimmer Module	350µ	25A	96	327	.028
i500 5.0kW 230V Single Dimmer Module	500µ	25A	224	764	.064
i Series 15Amp 120V Constant Module		2 x 15A			
i Series 20Amp 120V Constant Module		2 x 20A			
i Series Airflow Module (Single Slot)					

Leviton Mfg. Co., Inc. Lighting & Energy Solutions

20497 SW Teton Avenue, Tualatin, OR 97062 1-800-736-6682 Tech Line: 1-800-959-6004 Fax: 503-404-5594 www.leviton.com/les
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PRODUCT DATA



SPECIFICATIONS

- 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
- Each dimmer module has a dedicated optically isolated control signal line from the control module
- Failure of one module cannot affect the operation of any other dimmer module

MECHANICAL

- All dimmers are housed in removable modules made of die-cast aluminum. Each module contains one or two circuit breakers, a solid-state SCR switching device (SSR), an interface PCB, and two filter chokes. The face of the module has a handle, the circuit breaker switches, air vents, and labeled LEDs for local feedback. The left side of the module has a wide section of spring 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. Modules are keyed so that a module of higher ampacity cannot be inserted into a slot that is wired for a lower ampacity dimmer. All dimmer modules can be inserted and removed without the use of any tools.

ELECTRICAL

- The i Series® e dimmer module is designed to operate on voltages ranging from 90-135VAC (120V Nominal) or 187-265VAC (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 +/- 1 Volt over the line voltage range
- When a dimmer is set as a non-dim, it passes an unregulated sine wave
- Each dimmer tracks operating conditions and provides feedback to the Hand Held Terminal, 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 standard (500µs) rise time. 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 cUL listed (for Canadian applications)

CAT. NO.	DESCRIPTION
120V DIMMER MODULES	
IED23-120	iSeries e 2.4kW dual dimmer module, 120V, 500µs
IED23-115	iSeries e 1.8kW dual dimmer module, 120V, 500µs
IED13-150	iSeries e 6.0kW single dimmer module, 120V, 500µs
IED18-120	iSeries e 2.4kW single dimmer module, 120V, 800µs
IAC20-120	iSeries e 2.4kW dual constant module, 120V, 500µs
IAC20-115	iSeries e 1.8kW dual constant module, 120V, 500µs
240V DIMMER MODULES	
IED15-220	iSeries e single dimmer, 5.0kW, 240V, 500µs
IED23-210	iSeries e dual dimmer, 2.5kW, 230V, 500µs
IED23-220	iSeries e dual dimmer, 5.0kW, 230V, 500µs
ACCESSORIES	
I0A20-000	iSeries Air Flow module

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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