



Flight Light Inc.
2708 47th Ave.
Sacramento, California, U.S.A.
95822-3806

PH (916) 394-2800 FX (916) 394-2809
TF (800) 806-3548 EM info@flightlight.com

10KW Constant Current Dry-Type Regulators Low, Medium and High Intensity FAA L-828

Compliance and Applications

FAA: L-828 (AC 150/5345-10)

Flight Light's 10KW dry-type saturable reactor network constant current regulators provide precision control of runway lighting series circuits in low, medium and high intensity applications. Because they use SOLA/Hevi-Duty's extremely reliable design and durable magnetic components, our regulators are not susceptible to extraneous signals that cause competing solid state electronic designs to fail. In fact, our units are tested to assure zero interference with radio communications.

Why Our CCR's are Better

- Multiple outputs at 5KW, 7.5KW, and 10KW as standard feature.
- Super Efficient Energy Saver: Input current is completely dependent on output load.
- Magnetic components are not susceptible to extraneous signals and do not create interference with radio communications.
- Simple design makes it easy to install and virtually maintenance free.
- Excellent current regulation, no load to full load and with up to 30% lamps inoperative. Output current stable within 0.1 amps at any output.
- Power factor exceeds industry standards: more efficient than required by FAA.
- Automatically compensates for -5% to +10% input voltages.



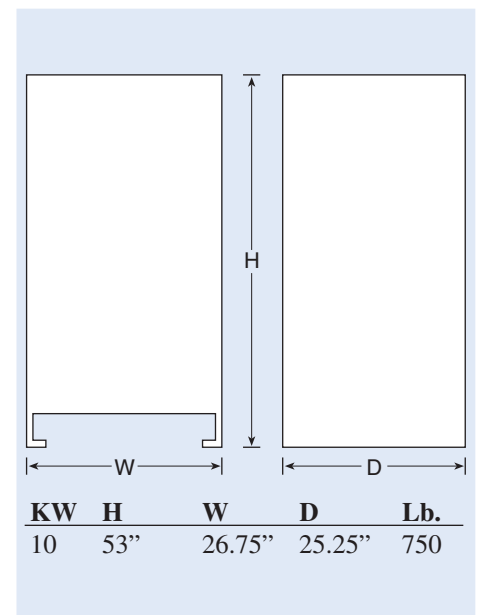
L-828 10KW Dry-Type Regulator

- Input circuit electronically isolated from output circuit.
- Withstands input overvoltage of 120% nominal for 50 milliseconds within one minute intervals.
- Resumes original brightness mode within 1 second of lost input power.
- Not activated by load switching or transients. Positive open-circuit or overcurrent protection automatically trips regulator off-line within 2 seconds, manually resets in less than 1 second.
- Easy access to remote/local control switch.
- No solid state components in series circuit.
- Extended warranties available.

Specifications

- Continuous indoor operation at a temperature range of -40°F to +131°F (-40°C to +55°C).
- Floor mounted, dry-type ventilated enclosure with power components isolated from control functions.
- Integral primary switch.
- Standard 120VAC internally supplied control power for local control.
- Remote control by internal or external sources.
- Direct read output ammeter.
- Output distribution class lightning arrestors.

Formerly
SOLA/Hevi-Duty



Visit our web site: www.flightlight.com



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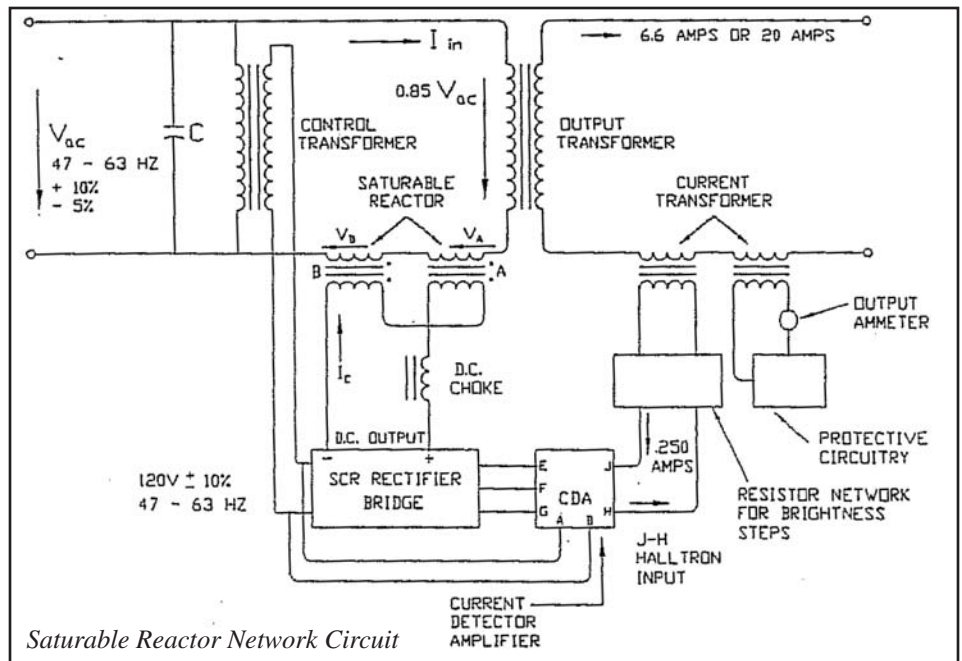
Ordering Code

Qty.	KW Size	FAA #	Code:		Control Power	Type	Hertz	Accessory Codes		
			Volts/Steps/Amperes							
	10KW = 10	Std. Reg. = L828 Unit W/Monitor = L829	V/S/A	Code	48V Grounded DC	3	Dry = D	60 Hertz = 6 50 Hertz = 5	Elapsed Time Meter*	ETM
			208/3/6.6	Z	Internal				Input Arrestors	IA
			208/5/6.6	ZA	48V Ungrounded DC	4			Output Volt Meter*	OVM
			220/3/6.6	N	External				Input Volt Meter*	IVM
			220/5/6.6	O	120VAC Int./Ext.	5			Input Amp Meter*	IAM
			230/3/6.6	Q	48V Grounded DC	6			Extra Contacts**	EC
			230/5/6.6	R	Int./Ext.				Outdoor Enclosure	3R
			240/3/6.6	A	24V Grounded DC	7			Fixed One Step	FOS
			240/5/6.6	C	Internal				Cold Circuit Selector Switch	A
			277/3/6.6	BA	24V Ungrounded DC	8				
			277/5/6.6	BB	External					
			380/3/6.6	T	24V Grounded DC	9				
			380/5/6.6	U	Int./Ext.					
			415/3/6.6	W						
			415/5/6.6	X						
480/3/6.6	H									
480/5/6.6	I									
	10				D					
	10				D					

Saturable Reactor Network CCR

The saturable reactor CCR consists of two saturable reactors, main isolation transformer and control circuitry. The AC reactance of the input saturable reactors is automatically adjusted to regulate the load current. It is a magnetic based design.

For technical information and renewal parts call 1-800-806-3548



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