



L-828/L-829 Ferroresonant Constant Current Regulator



Compliances

FAA: AC 150/5345-10 (Current Edition)

ICAO: Annex 14; ICAO Areodrome Design Manual Part 5; NAVAIR 51-50AAA-2; and UFC 3-535-02



Intertek

Application

Our L-828 / L-829 Constant Current Regulator is used to provide power to airfield lighting systems. It offers a selectable AC constant current to change the airfield lighting intensity as needed based on weather conditions.

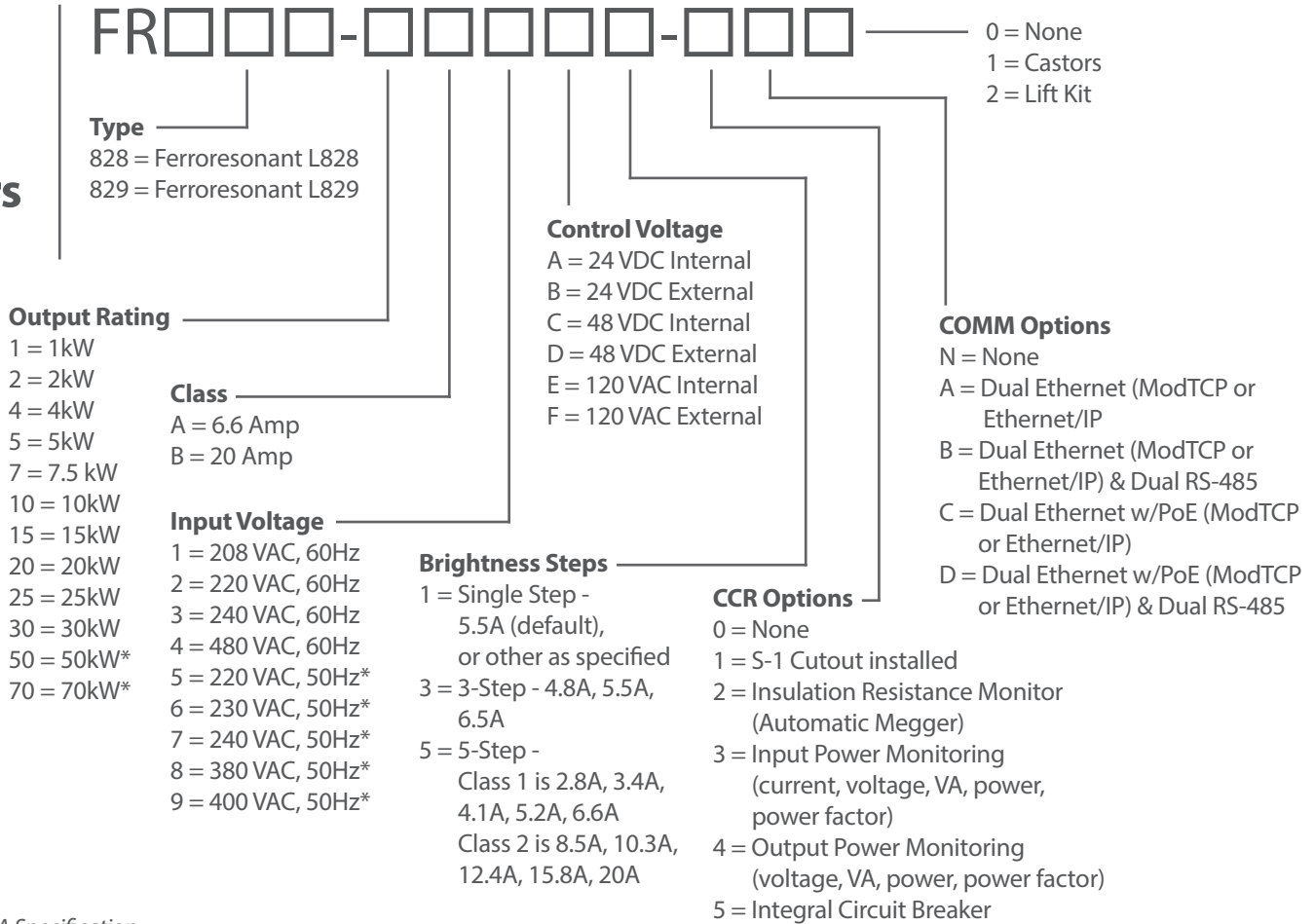
Key Features

- Ferroresonant design allows for high-efficiency, high-power factor sinusoidal constant current output
- Efficiency over 90%, power factor .99
- Stable output current is not affected by flashing loads from strobes or runway guardlights
- Intuitive, fully digital interface included on all models
- Powerful software allows CCR to be recalibrated in field, recall previous settings & calibration, change brightness steps, track warnings & faults, and more
- Digital output current reading and digital output voltage reading on all models
- High quality lightning arrestors used for output connections
- Transient protection on input power circuit ensures long CCR life and equipment protection
- Open circuit, over-current, and over-voltage protection on all models
- Safety interlock disconnects output power when cabinet door is opened
- Quiet operation
- Stackable



Specifications

General Catalog Numbers



*Compliant to FAA Specification

Additional Option Information

- Internal S-1 Cutout:** An Airport Lighting Company S-1 Cutout is installed directly in the enclosure of the CCR. Once the CCR is turned off, the S-1 Cutout handle may be removed and taken with servicing personnel to ensure safe work conditions.
- IRMS:** The IRMS (Insulation Resistance Monitoring System) can be configured to run manually or daily. With this option, the CCR will provide a digital resistance measurement to the user on the front display. The resistance reading can be tracked by site staff to gain insight to field-circuit integrity and to anticipate required maintenance.
- Integrated Circuit Breaker:** A circuit breaker is included inside the CCR that is actuated with a door-mounted handle. The door-mounted handle is capable of accepting a lock for lock-out-tag-out safety measures.



Specifications

Shipping & Sizing Information

kW Rating	CCR Ship Weight (No Options)	Shipping Size (with Pallet)	CCR Install Weight (No Options)	Install Size (without Pallet)
1	300	30"W x 31"D x 45"H	280	24"W x 25.25"D x 40"H
2	350	30"W x 31"D x 45"H	330	24"W x 25.25"D x 40"H
4	400	30"W x 31"D x 45"H	380	24"W x 25.25"D x 40"H
5	450	30"W x 31"D x 45"H	420	24"W x 25.25"D x 40"H
7.5	530	30"W x 31"D x 45"H	510	24"W x 25.25"D x 40"H
10	630	30"W x 31"D x 45"H	610	24"W x 25.25"D x 40"H
15	865	40"W x 36"D x 45"H	835	36"W x 31.25"D x 40"H
20	1100	40"W x 36"D x 45"H	1070	36"W x 31.25"D x 40"H
25	1300	40"W x 36"D x 45"H	1270	36"W x 31.25"D x 40"H
30	1450	40"W x 36"D x 45"H	1420	36"W x 31.25"D x 40"H

kW Rating	Enclosure Size
1kW - 10kW	24"W x 25.5"D x 40"H
15kW - 30kW	36"W x 30.25"D x 40"H

Replacement Parts

Part Number	Description
82-88	5A Fuse for FA1, FA2
82-76	5A Fuse for FA3
82-77	2.5A Fuse for FA4
82-78	1A Fuse for FA5
90-28D1003	DCMU, Standard
290-280A05	Firing Card Assembly
290-280A06	Firing Card with Megger Assembly
282-10030	Front Panel Display Assembly
82-45	Display Cable
55-00201	Door Switch/Safety Interlock
282-10005	Contractor MOV Assembly
282-10002	Snubber Assembly