

Constant Current Regulator



Compliances (Current Editions)

FAA: AC 150/5345-10, ETL Certified

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



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.

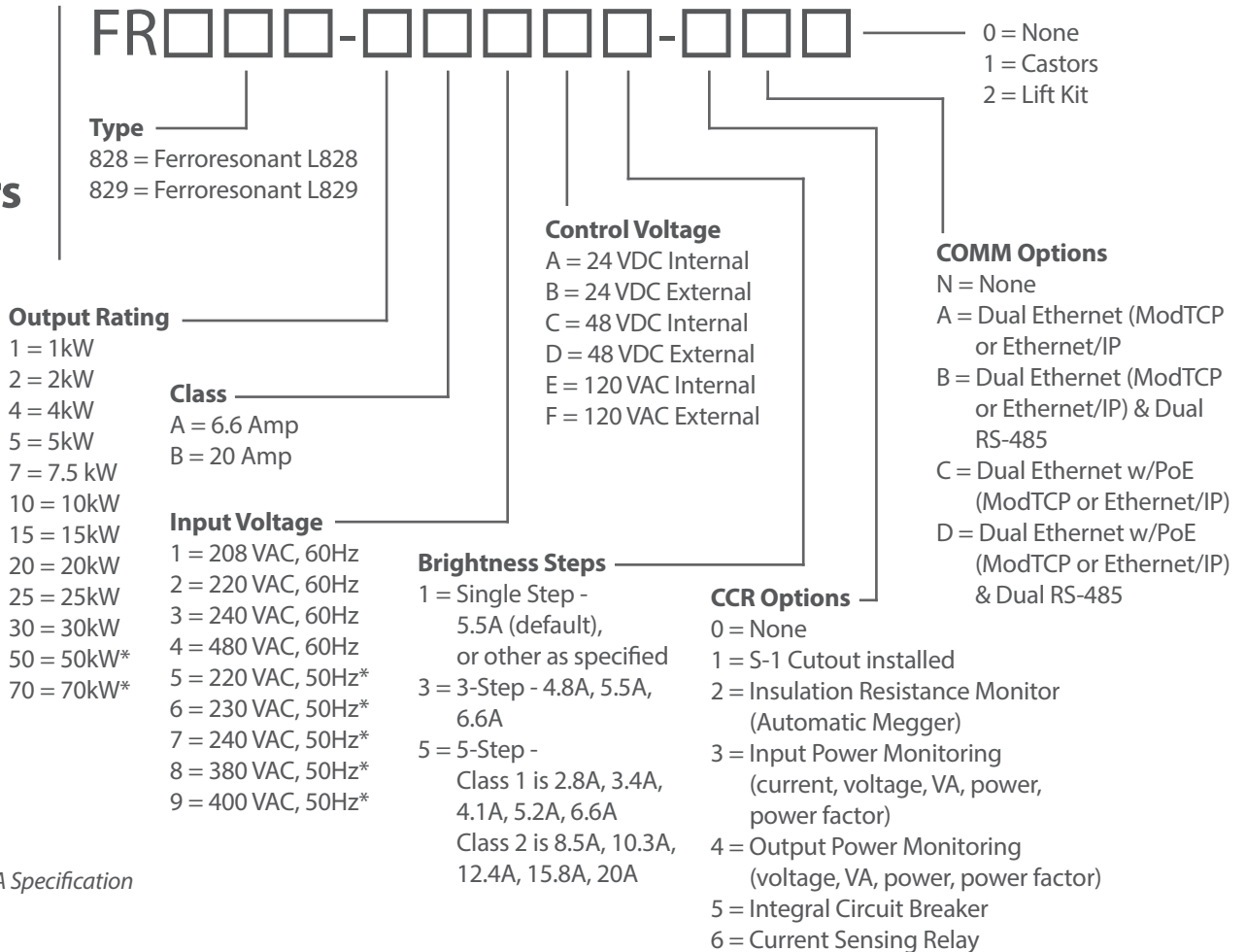
Key Features

- 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.