

S A R CONSTANT CURRENT REGULATORS

RELATED STANDARDS

FAA : Constant current regulators are in accordance with FAA specifications AC 150/5345-10C L-828

ICAO : Constant current regulators are in accordance with all ICAO specifications.

APPLICATIONS

ØIn supplying airport runway and taxiway lighting.

IMPORTANT FEATURES

- Regulators are static type and thyristor controlled. Primary and secondary windings are separated from each other.
- Regulators are air cooled.
- Regulators can be controlled by a control unit on them or by remote control from up to 3000m, by means of 0.9mm diameter copper conductors.
- Digital monitoring unit shows circuit current, open circuit, overload, overload errors and voltage drops.
- Regulators can be produced with five different brightness levels as well as with a single level.

FINISH

Phosphating and baked polyester electrostatic powder coating. The color is gray.

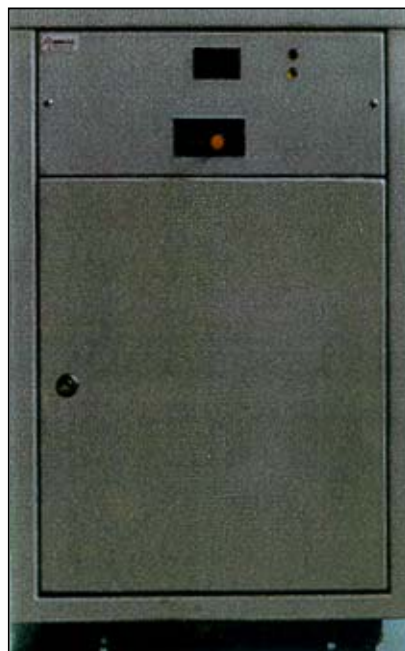


FIGURE 1

PERFORMANCE

With the regulators loaded with appropriate lamps through the isolating transformers and also with 30% of isolating transformers with secondary winding open, the output currents of the regulators are as follows;

Brightness Level	Current Limits (A)	Output Current (A)
5	6.40 - 6.70	6.6
4	5.04 - 5.36	5.2
3	3.98 - 4.22	4.1
2	3.30 - 3.50	3.4
1	2.72 - 2.88	2.8

ELECTRICAL SUPPLY

Produced on order 220V or 380V, 50Hz.

Airport lighting is done by a series circuit supplied through isolating transformers. A constant current should be supplied to the system, this is achieved by constant current regulators. Our company has been producing constant current regulators for many years. We have provided Turkish Air Force more than 100 regulators.