



CONSTANT CURRENT REGULATOR (CCR)

**To ensure your airport lighting circuits
receives a stable, consistent series current**

Product features:

- Designed for use with traditional series AGL circuits and specifically to meet Australian operating requirements and conditions while also being compliant with other recognised standards.
- Compatible with incandescent and LED light sources.
- Flexible and intuitive controls - settings are configurable through a character display LCD and keypad.
- Current range 1.1 to 6.6A, configurable for 3 stage or 6 stage lighting intensities.
- Configurable night to twilight and twilight to day threshold setpoints.
- Ambient light is measured via a PE cell and processed on board for automatic intensity selection to user defined set points and the lux level is displayed on the LCD.
- Alarm/warning outputs and day/night status outputs are available on the display.
- Built-in EMC filters
- High reliability and efficiency - high MTBF, low losses

Mounting & integration options:

- 19" Rack mounted CCR module
- Easily integrated into an Airport Lighting Control Panel or can be configured as a stand alone CCR as used in an equipment room with multiple regulators.
- Can be duplicated as a main and standby configuration where redundancy is required.

Compliance:

- IEC 6100-6-4:2018 Electromagnetic compatibility
- ICAO Design Manual Part 4.
- CASA MOS 139



CONTROL OPTIONS

1. Auto using internal ambient light meter
2. Serial comms for control and monitoring
3. Multi wired inputs for remote selection
4. Manual control

REMOTE MONITORING

Employs modern electronic control and communications and can be easily integrated with Convergence Engineering web based monitoring and control systems.



TECHNICAL SPECIFICATIONS

Supply Voltage	2 phase 415 or 240VAC single
Supply VA	Typ. 5500VA incandescent. or 2500VA LED. Multi tap Mains Isolating Transformer adjustable to suit load size
Output Current Max	6.6A
Output Current Min	1.1
Output voltage	990VAC max
Control type	1. ambient light level, 2. external input, 3. serial control (RS485 multi drop up to 8 CCRs), 4. manual control.
Number of programmable intensity levels	3 stage or 6 stage
Enclosure CCR controller	3RU 19" rack unit
Enclosure entire unit (Stand Alone)	1200(h) x 600(w) x 400(d)
Options	1. Surge Diverter 2. Insulation Resistance Meter for live or denergised Cct.