



## GENERAL INFORMATION

Unlike other Reverse Phase Control dimmer, State Automation's RPC uses an innovative approach to create a slower turn off edge. It has a slim case without using a chunky heat sink and equips a discrimination circuit to protect dimmer from both overload and short circuit. When an overload happens, it reduces the output voltage gradually until a rated current is reached. If a short circuit appears, it shuts down the circuit after confirming a short circuit by sending a series of pulses to the output. The RPC module also has a load type detection circuit which will sense the load condition and shut down its output a heavier inductive load be connected.

## APPLICATIONS : Smooth LED control for...

- Opera and Theatres
- Production studios
- Multi-purpose conference and exhibition venues
- Entertainment venues and Architectural installations

## FEATURES

- Electronic overload protection
- Electronic short circuit protection
- Circuit breaker / RCD trip monitoring
- Earth leakage protection
- MCB/RCD trip detection
- Channel current monitoring
- Load current fault monitoring
- Hot Power disconnect
- MCB per channel option
- Temperature monitoring
- Over temperature shutdown
- Status LED indicator:
  1. CPU Health
  2. Fault
  3. DMX level

## BENEFITS

- Dims capacitive loads
- Silent operation
- Reduced filament hum
- Dims LED drivers
- Dims electronic transformers



- The SA RPC produces a Reverse Phase Control waveform and therefore is the ideal choice for dimming incandescent and capacitor loads. With the introduction electronic transformers on LV light fittings and LED drivers, dimmer systems today need to be tailored to best suit the load types. The gentle rising waveform of the RPC dimmer ensures the capacitors in the loads are not overstressed with the high rate of rise experienced with a standard phase control dimmers.
- Dimmer electronics are also not stressed, therefore ensuring a long life for both the dimmers and the loads.
- Silent electronics (no buzzing rise time controlled chokes) gives the RPC dimmer the edge for installing within the studios or on-stage where annoying buzzes are not welcomed.
- As a bonus, the SA RPC dimmer has both short circuit protection and overload protection. This means your dimmer will recover by itself once you have removed the offending fault "no need to lower that bar or spend 5 minutes resetting the circuit breaker".



## Channel Power - 230V PN

RPC Options	1.2kW	2.4kW	2.5kW	3.0kW	4.8kW	5.0kW	10kW
Dual Channel Module	Yes	Yes	Yes	Yes	Yes	Yes	na
Single Channel Module	Special	Special	Special	Special	Special	Special	Special
Monitored	Yes	Yes	Yes	Yes	Yes	Yes	Special
Incandescent/Capacitive	Yes	Yes	Yes	Yes	Yes	Yes	na
Liquid Crystal	Yes	Yes	na	na	na	na	na
RCBO per Channel	na	na	na	na	na	na	na
Circuit Protection Size	5A	10A	12A or 13 A	16A	20A	25A	50A

## ORDERING INFORMATION

RPC - Module with RCBO	
801-230-00 / Q10	Module 2 channels RPC 2.4KW 10A
801-230-00 / Q13	Module 2 channels RPC 2.5KW 12A
801-230-00 / Q16	Module 2 channels RPC 3KW 16A
801-230-00 / Q25	Module 2 channels RPC 5KW 25A