



GENERAL INFORMATION

Advanced phase control (APC) technology is a Highly Efficient "Green" dimmer, uniquely developed by State Automation's engineers to provide a new generation of dimmers with high rise time (that is, extremely good filtering) but with low heat loss compared with other dimmers. APC also greatly increases the range of switchable loads that may be controlled by the dimmer channels. In addition, each APC dimmer output can be supplied with an optional relay to enhance its functionality. The fitted relay may have either NO (Normally Open) or NC (Normally Closed) contacts. They can be connected either in parallel or in series with the load. This provides three control enhancements that are exclusive to the SA APC Dimmer Modules.

APPLICATIONS

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

FEATURES

- 0 ~ Leakage current - 'Ghosting'
- Earth leakage protection
- Dynamic Load Range : 0 ~ 100% Load
- 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:
 - CPU Health
 - Fault
 - DMX level



BENEFITS

- 99.2% efficiency
- Longer lasting life for the dimmer
- Cost saving "Green" technology (dissipates up to 50% less heat than competition product)
- Lower air conditioning costs
- Correct voltage delivered to lamps
- Correct color temperature lamps
- Pure Power switching to moving lights and other devices

Why Parallel Relay?

This option wires a relay contact in parallel with the dimmer circuitry when the channel level is at 100% the relay contact is closed and the current path has virtually no loss.

Why Serial Relay?

The serial relay option wires a relay contact in series with the current path to the load. When the DMX level is set to 0%, the relay contact is opened which removes any voltage from the filtering circuits being present at the output terminals.

ORDERING INFORMATION

APC - Advanced Phase Control Module (120µs) with Dual RCBO, Serial Relay	
801-147-01/ APD10/ RS	Module 2 channels APC 2.4KW 10A with dual RCBO
801-147-01/ APD13/ RS	Module 2 channels APC 2.5KW 12A with dual RCBO
801-147-01/ APD16/ RS	Module 2 channels APC 3KW 16A with dual RCBO
801-147-01/ APD25/ RS	Module 2 channels APC 5KW 25A with dual RCBO

APC Module (120µs) with Dual RCBO, Parallel Relay	
801-147-01/ APD10/ RP	Module 2 channels APC 2.4KW 10A with dual RCBO
801-147-01/ APD13/ RP	Module 2 channels APC 2.5KW 12A with dual RCBO
801-147-01/ APD16/ RP	Module 2 channels APC 3KW 16A with dual RCBO
801-147-01/ APD25/ RP	Module 2 channels APC 5KW 25A with dual RCBO



Channel Power - 230V PN

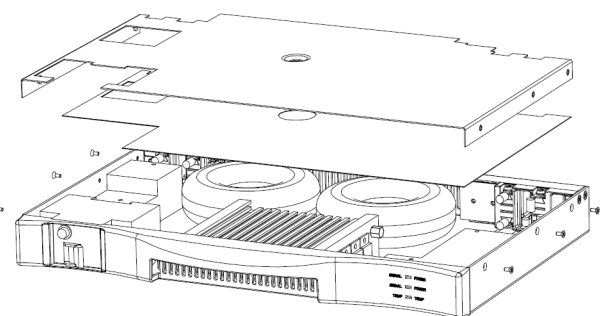
APC Options	1.2kW	2.4kW	2.5kW	3.0kW	4.8kW	5.0kW	10kW
Dual Channel Module	Yes	Yes	Yes	Yes	Yes	Yes	na
Single Channel Module	Special	Special	Special	Special	Special	Special	Yes
Monitored	Yes	Yes	Yes	Yes	Yes	Yes	Special
200 uS RT Chokes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
400uS RT Chokes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Parallel Relay Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Serial Relay Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Relay Ch + APC Channel	Special	Special	Special	Special	Special	Special	na
RCBO per Channel 200uS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RCBO per Channel 400uS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Circuit Protection Size	5A	10A	12A or 13 A	16A	20A	25A	50A

ORDERING INFORMATION

APC - Advanced Phase Control (400µs) Module with RCBO, NO RELAY	
801-147-00 / APC10	Module 2 channels APC 2.4KW 10A
801-147-00 / APC13	Module 2 channels APC 2.5KW 12A
801-147-00 / APC16	Module 2 channels APC 3KW 16A
801-147-00 / APC25	Module 2 channels APC 5KW 25A
801-147-02 / APC50	Module 1 channel APC 10KW 50A

APC - Advanced Phase Control (400µs) Module with RCBO, Serial Relay	
801-147-00 / APC10/RS	Module 2 channels APC 2.4KW 10A
801-147-00 / APC13/RS	Module 2 channels APC 2.5KW 12A
801-147-00 / APC16/RS	Module 2 channels APC 3KW 16A
801-147-00 / APC25/RS	Module 2 channels APC 5KW 25A
801-147-02 / APC50/RS	Module 1 channels APC 10KW 50A

APC - Advanced Phase Control (400µs) Module with RCBO, Parallel Relay	
801-147-00 / APC10/RP	Module 2 channels APC 2.4KW 10A
801-147-00 / APC13/RP	Module 2 channels APC 2.5KW 12A
801-147-00 / APC16/RP	Module 2 channels APC 3KW 16A
801-147-00 / APC25/RP	Module 2 channels APC 5KW 25A
801-147-02 / APC50/RP	Module 1 channel APC 10KW 50A



APC - Advanced Phase Control (400µs) Module with dual RCBO, Serial Relay	
801-147-06 / APD10/RS	Module 2 channels APC 2.4KW 10A
801-147-06 / APD13/RS	Module 2 channels APC 2.5KW 12A
801-147-06 / APD16/RS	Module 2 channels APC 3KW 16A
801-147-06 / APD25/RS	Module 2 channels APC 5KW 25A

APC - Advanced Phase Control (400µs) Module with dual RCBO, Parallel Relay	
801-147-06 / APD10/RP	Module 2 channels APC 2.4KW 10A
801-147-06 / APD13/RP	Module 2 channels APC 2.5KW 12A
801-147-06 / APD16/RP	Module 2 channels APC 3KW 16A
801-147-06 / APD25/RP	Module 2 channels APC 5KW 25A