



GENERAL INFORMATION

The Solution Cool RM Dimmer is the most innovative and flexible rack mountable advanced phase-controlled dimmer available today. The Solution Cool is a 19" Rack-mount 3U entertainment industry dimmer pack . Advanced Phase Control technology (APC) is not revolutionary but evolutionary: it creates a new generation of dimmers with low heat loss and also greatly increases the range of switchable loads that may be controlled by the dimmer channels.

APPLICATIONS

- Suitable for touring or permanent installations
- Opera and Theatres
- Production studios
- Multi-purpose conference and exhibition venues
- Entertainment venues and Architectural installations

FEATURES

- Flexible channel usage
- Standard RCD protection
- Standard DMX Interface
- Standard with Safety RCD, 30mA
- Variety of power input connections including docking
- Docking system option
- DMX Connections Front with rear option
- Dynamic frequency tracking: provides continuous operation on unstable supply frequencies from 40Hz to 80Hz (generators)
- Approvals: CE & C-Tick approved
- Simplest user interface

BENEFITS

- Cost saving "green" technology increased efficiency gives the Solution Cool the status of "green and clean" as it dissipates up to 50% less heat than competition products.
- Engineering excellence:
the dimmer incorporates special filtering techniques to allow it to run on coarse generator power and in electrically noisy environments, is protected against incorrect supply connections and is generously rated.

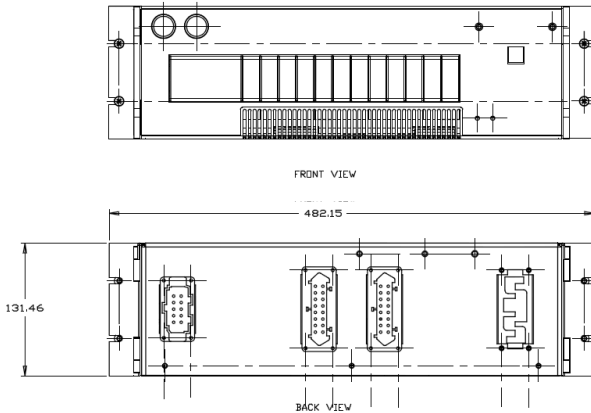


Technical Specifications

Mechanical	
Physical Dimension (mm)	131.46 (H) x 482.15 (W) x 471.82 (D)
Weight	19 Kg
Power supply	
Type	Single or 3-phase operation
Frequency	40-80Hz
Automatic phase rotation configuration	
Ripple Rejection Filter for stability on noisy mains	
600V device rating	
Other Characteristics	
Rise Time	200 microseconds
Temperature control	Temperature controlled, ultra-low duty-cycle cooling fan

SAFETY FEATURES:

- RCD protection
- Over-voltage detection
- Over-temperature detection
- Three phase mains indicators



ORDERING INFORMATION

Part Number	Description
Solution Cool 19" RM	
801-175-12	12 channels Solution Cool 19" RM no modules
801-175-06	6 channels Solution Cool 19" RM no modules
801-17503	3 channels Solution Cool 19" RM no modules

Standard software features:
Output voltage stabilisation providing constant output to ensures specified lamp voltage is maintained and not exceeded
Microprocessor (DSP) control
Selectable output voltage, per channel
Simple User Interface
Lamp pre-heat facility, per channel
Selectable soft turn-on per channel
Stand-alone operation with individual channel flash control
Non-dim, selectable per channel
View channel level
Flash RAM memory back-up
Software in FLASH for provides convenient update capability

DMX-512 convenience features:
Specific start channel selection
Last value held on loss of DMX
"DMX-IN" LED for DMX-512 signal status indication
DMX LED level indicators per channel
Per channel "STATUS" LED for fault status and level indication
Feature access and DMX address via a 3 digit seven segment LED display

Control Options Available	Availability Rating		
	2.4 or 2.5kW	3.0kW	5.0kW
Advanced Phase Control Dimming	2 ch	2 ch	2 ch