

# APS

## ADVANCED POWER SYSTEM

### Key Features

- Intuitive menu driven colour 3.2" graphical LCD for set-up and control of **APS**
- Automatic power On/Off of circuits when a DMX512 signal is detected - presence turns outputs on and loss of DMX512 turns outputs off after a preset time delay eg. 19 minutes
- Combined MCB and RCD (RCBO) breakers - circuit breaker with earth leakage (RCD/GFI) and Neutral Disconnect protection for each output
- Staggered power up of outputs to prevent overloading of the supply feed breakers (cascading of multiple units is also possible)
- Control via Input and Output contact closure
- Control and remote monitoring via RDM
- Cascading start-up for individual units via DMX512 cabling and/or based on unit number
- Manual override via front panel controls
- Monitoring of supply input voltages, frequency and currents
- Programmable input supply overvoltage and undervoltage trips to protect loads
- 12 circuit models with 10A, 13A or 16A rated outputs and a 6 circuit model with 20A rated outputs

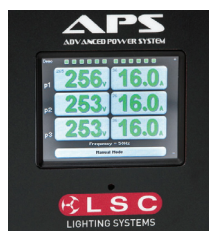


Modern Power Distribution Systems have become very complicated, often creating many problems. Firstly, in-rush currents of all the equipment power supplies and load lamps starting up at the same time can cause the supply breakers to trip, and secondly the transient currents drawn by the power supplies can cause earth protection breakers to trip. To avoid these nuisance effects results in complicated power up sequences usually requiring a human sitting there switching circuits on one at a time.

The range of **APS** Power Distribution Units from LSC Lighting Systems provides an elegant solution by controlling the power-on sequence of each of the individual output circuits. A single command starts the sequence and then each of the 12 (6) outputs are turned on one output at a time with a programmable time delay before the next circuit turns on. In this way the peak current drawn is always low and upstream supply breakers will not trip.

Multiple **APS** Power Distribution Units can be connected together where more than twelve circuits are required and the units will automatically cascade - that is, the second unit won't commence its start up sequence until the first has finished.

**APS** - *taking power management into the future.*



### Contact Details:

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# APS Specifications

	APS12/10	APS12/13	APS12/16	APS6/20
<b>Output Circuits</b>	12	12	12	6
<b>Max Load per Circuit</b>	10 Amps	13 Amps	16 Amps	20 Amps
<b>Thermal / Magnetic Breakers</b>	✓	✓	✓	✓
<b>RCD/GFI (RCBO) protection</b>	✓	✓	✓	✓
<b>RCD/GFI (RCBO) Current Trip</b>	30mA/Channel			
<b>DMX512-A input with RDM functionality</b>	✓	✓	✓	✓
<b>Control Surface</b>	3.2" colour graphical LCD with touchscreen.			
<b>Voltage, Current and Frequency Monitoring</b>	✓	✓	✓	✓
<b>Remote Triggering Input and Output</b>	✓	✓	✓	✓
<b>Min and Max trip levels per phase</b>	✓	✓	✓	✓
<b>Three Phase or Single Phase operation</b>	✓	✓	✓	✓
<b>Remote Control via RDM</b>	✓	✓	✓	✓
<b>Manual Control</b>	✓	✓	✓	✓
<b>Automated Sequential Startup</b>	✓	✓	✓	✓
<b>Startup Time Delay (ch to ch)</b>	Programmable			
<b>Units Cascadable</b>	✓	✓	✓	✓
<b>Output Connector Options</b> <small>(add subscript for connector type to model number above for full ordering code)</small>	/A	12 x 3-pin Australian GPO style connectors	N/A	6 paired Australian GPO outlets (20A + 15A per channel)
	/P	12 x Powercon connectors		
	/S	12 x Shuko Connectors	N/A	
	/T	Hardwired (terminals)		
	/W	2 x Wieland (Harting) 16-pin multi-pole connectors	N/A	
	/X	2 x 19-pin Socapex multi-pole connectors	1 x 19-pin Socapex multi-pole connector	
<b>Power Supply</b>	Nominal 220-240 Volts. 3-phase star. 50-60Hz (Single phase operation possible - 63A max) Operating range typically 190-260V, 45-65Hz. 100-120 Volt models available on request			
<b>Power Input Connection</b>	Australian models fitted with a three phase 1.2m H07 5 core x 6.0mm <sup>2</sup> rubber cable with 32A 5 pin Clipsal plug as standard. Export models are supplied with a M25 metal cable gland and a 1.2m length of H07 5 core x 6.0mm <sup>2</sup> rubber cable (but not fitted). Hard-wired models are provided with 5 screw terminals for input power - no cable.			
<b>Control Input</b>	DMX512 (1990) or DMX512-A (E1-11) and RDM (E1-20) via Front panel mounted 5-pin AXR in and thru connectors			
<b>Case</b>	19" 3RU rackmount metal chassis			
<b>Product Dimensions - W x D x H</b>	483 x 300 x 132 mm			
<b>Shipping Dimensions - W x D x H</b>	580 x 500 x 210 mm			
<b>Product Weight (Packed):</b>	11 kg			10.5 kg

