

LED-RPS-CL-B1



Remote Power Control for LED walls – standalone Boxed version.

The RPS limits the inrush current, preventing overloads and extending component lifespan. By cutting wasted energy and prolonging equipment lifetime, it delivers a practical, low-cost solution that reduces carbon footprint, minimises maintenance, and supports long-term operational efficiency.

- **Remote power switching** - switchable by most Room Management Systems thanks to easy integration via RS-485 or potential-free contacts.
- **Safe operation** - limiting the inrush current minimises the impact on electricity systems and lowers the number of required supply lines.
- **Easy installation** - standardised Boxed mounting in a rugged, standalone, compact form factor with integrated power supply enables easy integration.
- **Energy efficiency** - enables automated power shutdown outside of operating hours, delivering significant energy and cost savings.

Specifications

Order Codes

LED-RPS-CL-B1	80001543
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AC power

Input voltage [V AC]	100 to 240
Input current [A]	Max. 16
Load capacity [uF]	Max. 6000
Clamp	Wire cross section: Solid conductor 1.5...6 mm ² Fine stranded conductor 1.5...4 mm ² Stripping length 11...13 mm
Cable Glands	2x M20 Clamping range 6...13 mm Ø

Control

Serial	RS-485
GPIO IN	For potential free contact switch only! Short circuit current: 2mA Open circuit voltage: 12V
GPIO OUT	Open collector output
Input Connector	M12 male connector with screw connection Wire cross section max. 0.75 mm ² Jacket clamping range 4...8 mm Ø
Output Connector	M12 female connector with screw connection Wire cross section max. 0.75 mm ² Jacket clamping range 4...8 mm Ø

Environmental Conditions

Operating Temperature [°C]	-20 to 40
Operating Humidity [%]	10 to 80 (without condensation)
Operating Altitude [m]	< 5000
Storage Temperature [°C]	-20 to 45
Storage Humidity [%]	10 to 85 (without condensation)

Mechanical

Dimensions (L x B x H) [mm]	271 x 170 x 101
Weight [Kg]	1.4

Additional Features

Warranty	2 years
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For additional pictures and solutions overview, visit www.sharpdiseplays.eu for details.