



GENERAL INFORMATION

ColorSource ThruPower provides up to 24 circuits of DMX controlled power in a fanless, convection cooled wall mount cabinet. As a member of the ColorSource family, the power system is designed to allow schools, theatres, and other entertainment lighting customers to control their transition to LED lighting without later expensive revisions to their power infrastructure. Its user-friendly design provides access to change between constant , relay or dimmed circuit via RDM - or at the touch of a button directly at the cabinet.

APPLICATIONS

- Schools
- Theatres
- Corporate Event venues
- Conference Centres

FEATURES

- 12 or 24 circuit versions available
- Versatile control via DMX-512A/RDM
- Single contact closure plays a recorded look
- DMX addressing and softpatch via keypad or RDM
- Multi-language – English, Spanish, German and French
- True air-gap electro-mechanical relays
- Constant circuit mode available at every circuit for auxiliary power at any socket in your theatre
- CE compliant
- ThruPower Relay provides three modes per circuit: Relay, Dim or Constant Circuit output

ORDERING INFORMATION

ColorSource ThruPower CE Cabinets

PART NO.	DESCRIPTION
7121A1212	ColorSource ThruPower Cabinet, SP, 12x10A (2.3kW)
7121A1212-ND	ColorSource ThruPower Cabinet, ND 12x10A (2.3kW)
7121A1212-RCD	ColorSource ThruPower Cabinet, SP RCD/4 circuits, 12x10A (2.3kW)
7121A1212-RCDND	ColorSource ThruPower Cabinet, ND RCD/4 circuits, 12x10A (2.3kW)
7121A1224	ColorSource ThruPower Cabinet, SP, 24x10A (2.3kW)
7121A1224-ND	ColorSource ThruPower Cabinet, ND, 24x10A (2.3kW)
7121A1224-RCD	ColorSource ThruPower Cabinet, SP RCD/4 circuits, 24x10A (2.3kW)
7121A1224-RCDND	ColorSource ThruPower Cabinet, ND RCD/4 circuits, 24x10A (2.3kW)
7121A1312	ColorSource ThruPower Enhanced Cabinet, SP, 12x13A (3kW)
7121A1312-ND	ColorSource ThruPower Enhanced Cabinet, ND 12x13A (3kW)
7121A1312-RCD	ColorSource ThruPower Enhanced Cabinet, SP RCD/4 circuits, 12x13A (3kW)
7121A1312-RCDND	ColorSource ThruPower Enhanced Cabinet, ND RCD/4 circuits, 12x13A (3kW)

NOTES: SP=Single Pole, ND=Neutral Disconnect, RCD=Residual Current Device
6A breakers available upon request.

ThruPower 12/24 Wall Mount Accessories

PART NO.	DESCRIPTION
4264A1105	ETC Response One-Port DMX/RDM Gateway (Interface for Ethernet/sACN input)
7121K1001	RCD /4 Kit for 12 Circuit ND Cabinet
7121K1002	RCD /4 Kit for 24 Circuit ND Cabinet
7121K1003	RCD /4 Kit for 12 Circuit SP Cabinet
7121K1004	RCD /4 Kit for 24 Circuit SP Cabinet
7121K1000	Lockable Cover for UI and breakers



SPECIFICATIONS

GENERAL

- Approvals and Certifications:
 - CE Compliant
 - Complies with ESTA DMX512-A/RDM Standards

ELECTRICAL

- Maximum feed capacity:
 - 80A, Three phase, neutral + ground
- Input voltage 230VAC +/- 10%; 47 – 63 Hz
- Input lugs rated for up to 8-65mm²
- Output terminals, rated for up to 2.5mm²
- Fully rated magnetic circuit breakers- eliminate nuisance trips
- Modular SCR and bonded heat sink assembly with superior surge, thermal transfer, and short-circuit immunity
- Enhanced 12-circuit 12x13A cabinet versions features 225µS rise time chokes
- 2500V isolation between control and power components
- EN 61439-1 Low-voltage switchgear and control gear assemblies
- EN 55015 Electromagnetic compliance of lighting equipment
- EN61000-6-1 Immunity [for residential, commercial and light-industrial environments] for the DMX and Panic input ports with respect to transient and surge tests
- EN61000-6-2 Immunity [for industrial environments] for the mains input and outputs, and for the enclosure as a whole with respect to ESD, Radiated Immunity, Transient, Surge, Conducted Immunity, Power frequency H-field immunity, and Voltage dips and interruptions.

CONTROL WIRING

- Removable terminals for DMX512, Contact Input rated for maximum of 2.5mm² wire

MECHANICAL

- 1.3mm steel cabinet construction
- Fine-textured, scratch resistant paint
- Removable panels with pass-through plenum for side-by-side or top-to-bottom mounting configurations
- Full front access (side clearance not required)
- ThruPower models:
 - Mode select: choice of constant circuit, dimmed, and switched
 - Circuit breaker panel with optional tamper proof cover panel

THERMAL

- Ambient operating temperature between 0°C and 40°C
- Convection cooled without forced air (No fans)
- Humidity between 30 – 95% (non-condensing)
- Efficiency = 96% or better, maximum dissipation 3% of connected load (Max. 3,100 BTUs)
- Thermally tested for tandem vertical mounting of multiple cabinets

USER INTERFACE

- High-contrast backlit LCD
- Six button keypad
- Power status indicator LED (Blue)
- DMX status indicator LED (Green)

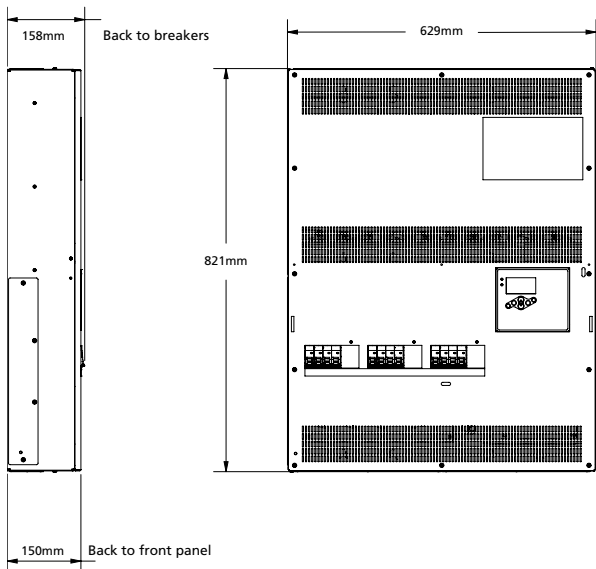
PHYSICAL

ColorSource ThruPower Cabinet Dimensions

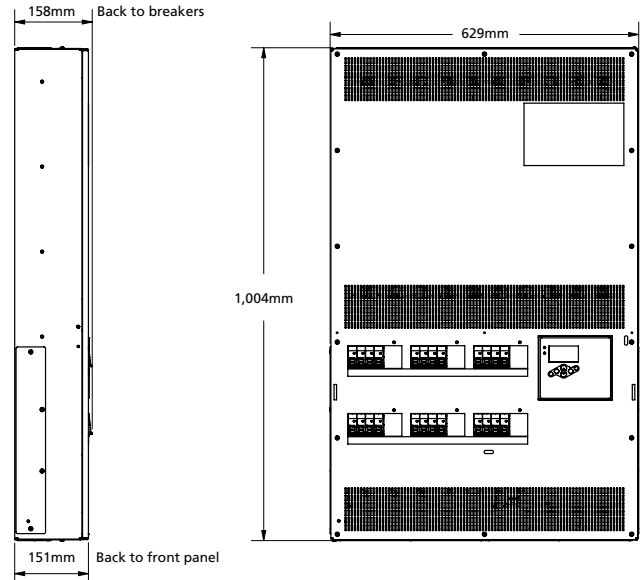
MODEL	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH
	Dimensions - mm			Shipping dimensions - cm		
ThruPower 12	821mm	629mm	150/158mm	111cm	72cm	26cm
ThruPower 12 Enhanced	821mm	629mm	150/158mm	111cm	72cm	26cm
ThruPower 24	1004mm	629mm	150/158mm	111cm	72cm	26cm

ColorSource ThruPower Weight

MODEL	WEIGHT	SHIPPING WEIGHT
ThruPower 12	36kg	41kg
ThruPower 12 Enhanced	43kg	48kg
ThruPower 24	46kg	50kg



ColorSource ThruPower 12
ColorSource ThruPower 12 Enhanced



ColorSource ThruPower 24

AVAILABLE FROM



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