



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

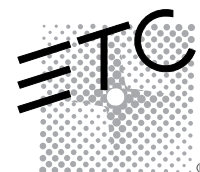
ColorSource ThruPower CE Cabinets

| 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) |

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 8-65mm<sup>2</sup>
- Output terminals, rated for up to 2.5mm<sup>2</sup>
- Fully rated magnetic circuit breakers- eliminate nuisance trips
- Modular SCR and bonded heat sink assembly with superior surge, thermal transfer, and short-circuit immunity
- 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 2.5mm<sup>2</sup> 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 35°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)

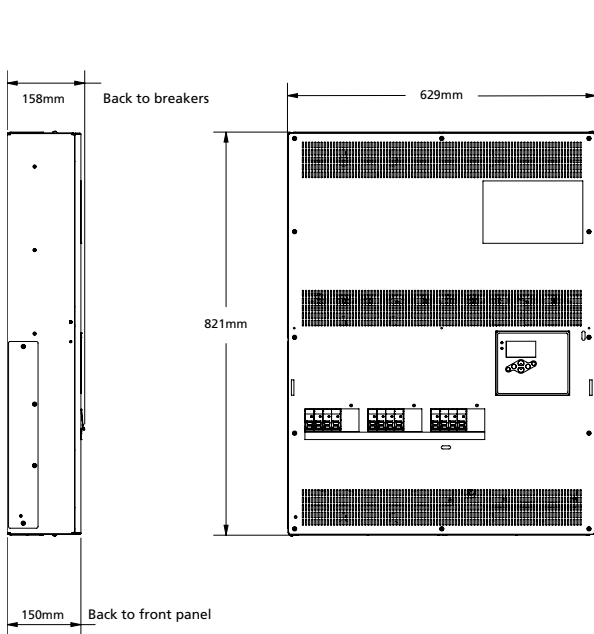
PHYSICAL

**ColorSource ThruPower Cabinet Dimensions**

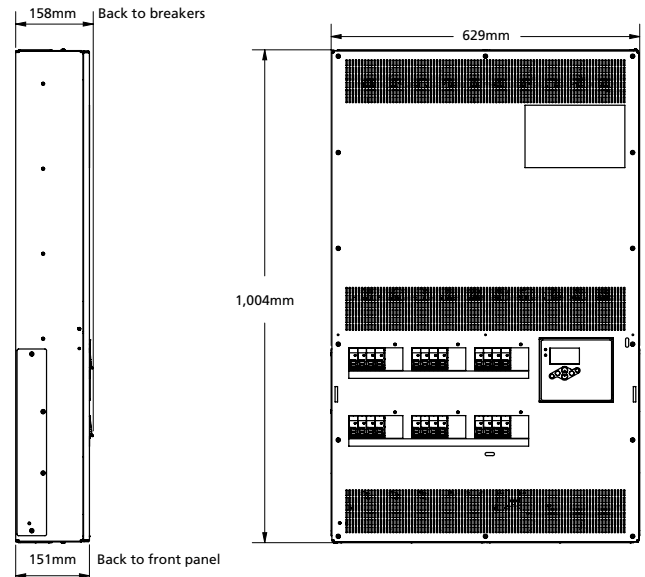
| MODEL        | HEIGHT          | WIDTH | DEPTH     | HEIGHT                   | WIDTH | DEPTH |
|--------------|-----------------|-------|-----------|--------------------------|-------|-------|
|              | Dimensions - mm |       |           | Shipping dimensions - cm |       |       |
| ThruPower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

**ColorSource ThruPower Weight**

| MODEL        | WEIGHT | SHIPPING WEIGHT |
|--------------|--------|-----------------|
| ThruPower 12 | 37.3kg | 41.3kg          |
| ThruPower 24 | 45.4kg | 49.4kg          |



ColorSource ThruPower 12



ColorSource ThruPower 24

**AVAILABLE FROM**



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