PDS-375 TRX

Versatile power / data supply for entertainment applications

PDS-375 TRX is a versatile, quiet, multi-protocol power / data supply designed for entertainment and event installations with Philips Color Kinetics fixtures, including the latest generation of LED lighting: ColorBlast TRX, ColorBlast TR (16 and 8 bit), and iW Blast TR.

- Compatible with all popular protocols — PDS-375 TRX can accept KiNET, Streaming ACN, and Art-Net over Ethernet. It supports USITT standard 5-pin DMX and ESTA RDM DMX input and output, and also includes wireless DMX via a built-in SHoW wireless receiver.

- Ethernet pass-thru capabilities — Includes two EtherCON connectors and built-in Ethernet switch to provide pass-thru to downstream devices, as well as a built-in Ethernet node gateway, which, when using one of the Ethernet control protocols, allows the assignment of any of the 6 outputs (or the DMX output) to one of two virtual DMX512 universes.

- On-board addressing controls and built in effects — Includes seven configurable visual effects which you can trigger with on-board controls. These controls include addressing and fixture configuration capabilities that eliminate the need for external tools or software. The PDS-375 TRX includes a USB port for firmware updates.

- Ultra quiet — PDS-375 TRX uses convection cooling for noiseless operation under normal conditions. A supplemental fan is included for non-standard installations where additional cooling may be needed.

- Heavy-duty steel and aluminum enclosure — The device's rugged NEMA 1 (IP20) enclosure is designed for dry locations and is ideal for temporary installations and demanding environments typical of entertainment and rental applications.

- Compact and portable — Small form factor, with an integrated carrying handle that can be mounted via C-clamp on a pipe or truss.

- Accommodates various voltages, protects against short-circuits — Automatically accommodates input voltages ranging from 100 VAC to 240 VAC. Short-circuit protection prevents device failure due to incorrectly wired fixtures.

For device mounting details, refer to the Installation Instructions included in the product packaging, or download documentation from www.citytheatrical.com/ck.htm

Compatible Fixtures

Fixture	Max. Quantity Per PDS-375 TRX
ColorBlast TRX	6
ColorBlast TR	6
iW Blast TR	6

PHILIPS

Specifications

Due to continuous improvements, specifications may change without notice.

| Item	Specification	Details
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz
	Power Output	24 VDC, 3 A current limit per circuit, 375 W maximum
Physical	Dimensions (Height x Width x Depth)	9.75 x 12.25 x 5.25 in (248 x 311 x 133 mm)
	Weight	11.25 lb (5.1 kg)
	Construction	Heavy-duty steel and aluminum NEMA-1 housing, with standard theatrical C-clamp and safety cable mounting points
	Finish	Black matte
	Connectors — Data Input	5-pin XLR supports DMX / RDM
		Wireless SHoW DMX antenna
	Connectors — Data Output	5-pin XLR supports DMX / RDM
	Connectors — Data Input/ Output	(2) RJ45-compatible EtherCon Ethernet ports support Art-Net, Streaming DMX over ACN, KiNET*
	Connectors — Power / Data Output	(6) 4-pin XLR output connectors
	Connectors — Firmware Updates	USB port for firmware updates via USB stick
	Temperature Ranges	32° – 104° F (0° – 40° C) Operating 32° – 122° F (0° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Humidity	0 – 95%, non-condensing
	Cooling	Convection cooled (supplemental fan activates when the device is not installed in an upright position)
	Airflow	Front, side and bottom ventilation
	Heat Dissipation	25% of total power input at maximum load
	Data Input	Supports all controllers that output DMX, KiNET, streaming ACN, and Art-Net
Certification and Safety	Certification	ETL / cETL, CE, FCC Part 15
	Environment	Dry Location, IP20
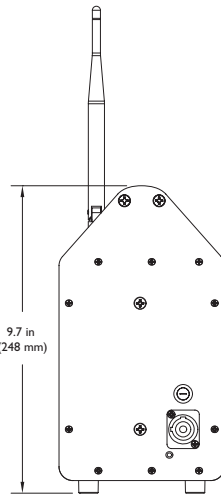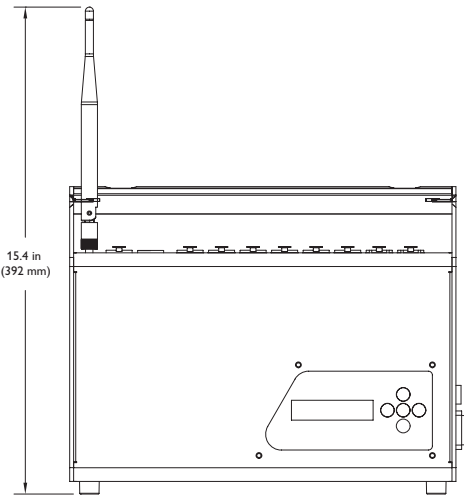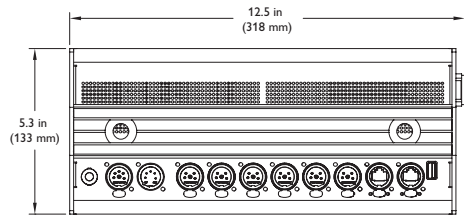
* KiNET is the Ethernet lighting protocol from Philips Color Kinetics.

Ordering Information

Item	Item Number	Philips 12NC
PDS-375 TRX	109-000030-01	910503702284

Use Item Number when ordering in North America.
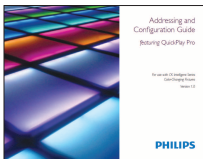
For instructions covering how to configure PDS-375 TRX, refer to the *Addressing and Configuration Guide* available online at www.philipscolorkinetics.com/support/addressing/