moda**LIGHT**®
SPECIFICATION

The Pharos TPC (Touch Panel Controller) is an elegant lighting controller with a customisable, 4.3" capacitive touch screen, 512 channels of eDMX output and vast interfacing potential, all over a single Power-over-Ethernet (PoE) network connection. TPCs are available in a range of different coloured bezels and overlays.

TRIGGERING & INTERGRATION

Startup	Commences programmed playback automatically on receiving power
Touchscreen	Buttons, sliders, colour picker, etc
Clock	Battery-backed real-time clock for calendar and time-based triggers
Astronomical	Sunrise/Sunset/Twilight and Lunar phases
Temperature	Trigger on changes or entering a range
Ethernet	UDP, TCP, Multicast; send/receive any Ethernet message
eDMX	sACN or Art-Net
DALI	Trigger on any message, via EXT or RIO D
Serial Data	RS232 via EXT; RS232 or RS485 via RIO; send/receive free syntax in ASCII, HEX or decimal
MIDI	MIDI Notes, SysEx or Timecode
Timecode	Linear Timecode via RIO A (SMPTE, Film, EBU, NTSC)
Audio Level	Stereo 30-band spectrum analysis via RIO A
Inputs	Contact closure, active low, active high or 0-24V analog level via EXT or RIOs
Web Interface	Built-in or custom designed
Wall Stations	Integrate with BPS
Conditions	Full conditional logic support
Scripting	Lua scripting for total flexibility
Scalable	Lua scripting for total flexibility
Orientation	Supports Pharos Remote Devices

TRIGGERING & INTERGRATION CONTINUED

Layouts	Portrait or landscape
Pages	Free editable layouts
Navigation	Custom font support, including fonts with extended character sets e.g. Chinese, Korean, Japanese
Fonts	Convenient and custom navigation via configurable navigation bars
Themes	Battery-backed real-time clock for calendar and time-based triggers
Controls	Sunrise/Sunset/Twilight and Lunar phases
Flexible Integration	UDP, TCP, Multicast; send/receive any Ethernet message
Intra-red	RS232, RS485; configurable port; send/receive free syntax in ASCII, HEX or decimal
Secure Access	MIDI Notes, SysEx or Timecode
Commisioning	Linear Timecode via RIO A (SMPTE, Film, EBU, NTSC)

SUPPORTED FIXTURES

LEDs	LEDs in any colour configuration (RGB, RGBW, 8-bit, 16-bit, tuneable white)
Automated	Moving heads, yokes or scanners
Generic	Downlights, spotlights, uplights, etc. via controllable dimmers, relays or ballasts
Fountain Jets	Fountain jets for fountain animation or other animatronics
Fixture Library	Pharos offers a cloud library with over 13,000 fixture profiles, for easy download of your luminaires

DIMENSIONS

86.0 [3.39]
146.0 [5.75]
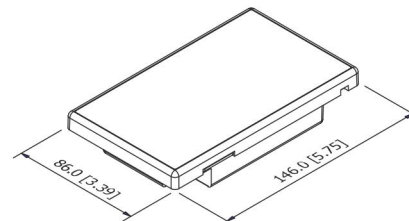
STANDARDS & CERTIFICATIONS

ETL us
Intertek

CE

2
YEAR WARRANTY

Project Name:

Notes:

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OUTPUT

sACN	ANSI E1.31 (with per fixture priority)
Art-Net	ArtNet, ArtNet II and ArtNet III (configurable broadcast override)
KiNET	KiNET V1 (DMX out) and V2 (Port out); PDS/Data Enabler discovery
Pathport	Pathway Connectivity protocol
DMX512	Via EXT or second port on LPC 1
RDM	Via EXT, supports discovery and addressing via Designer software
DALI	Via EXT or RIO D (supplied separately)
Scalable	Synchronises with up to 40 Pharos Controllers over network
Simultaneous	Multiple protocols can be in operation simultaneously. Limited by patched channels, not universes used

SPECIFICATIONS

Certifications	CE compliant, ETL/cETL listed
Power	PoE (IEEE802.3af, Class 2) 4W typical
Data Storage	Removable SD Card (supplied)
Temperature	0°C to 50°C (32°F to 122°F)
Humidity	10-50% relative, non-condensing
Ingress	IP40
Physical	10-50% relative, non-condensing
Weight	0.5 kg (1.1 lbs)
Shipping	20 x 15 x 12 cm (8" x 6" x 5") 0.8 kg (1.8 lbs)
Recovery	Hardware watchdog and recessed reset buttonl
Warranty	2 years

INTERFACES

Ethernet	RJ45 socket for 10/100Base-TX Ethernet with Link/Data LEDs; Fixed IP or DHCP; Dual IP address for eDMX
Touchscreen	Two isolated DMX ports, RDM compatible *
IR Sensor	RS232 / RS485 / DMX in *
Temperature	Eight inputs, individually selectable operating mode for contact closure, digital or analogue input *

ORDER CODE & VARIANTS

TPC BB	Touch Panel Controller Black-on-Black (512 channels eDMX)
TPC CC	Touch Panel Controller Cream-on-Cream (512 channels eDMX)
TPC WW	Touch Panel Controller White-on-White (512 channels eDMX)
TPC EXT	Extension for TPC connectivity (DMX, DALI, IO, serial, mains-powered)