

modaLIGHT[®]

SPECIFICATION

PHAROS EXT

The Pharos EXT is an extension for the Pharos TPC and together they form a standalone, mains-powered lighting controller with versatile output and show control options. The TPC is a powerful lighting controller with Ethernet-based output and integration options. However, many DMX and DALI installations don't need the added complexity of network infrastructure. The EXT provides local DMX and DALI output for the TPC, as well as power and other hardware interfaces.

CAPABILITIES

Contact Closure	Connect an external volt-free switch between input and ground (internal 2.2kohm pull-up to 5V)
Digital In	Connect an external voltage source between input and ground (24V maximum; internal 2MOhm pull-down to 0V); software-configurable low/high threshold
Analog In	Connect an external voltage source between input and ground (24V maximum); software-configurable range
Serial Data	RS232, RS485; configurable port; send/receive free syntax in ASCII, HEX or decimal
DALI Master	Control for up to 64 DALI devices; DALI discovery and configuration commands
DALI Slave	Use DALI messages from other systems or wall panels as triggers in Pharos
Emergency Lighting	Emergency Lighting Schedule automatic Function and Duration tests; automatic querying for battery level and lamp hours; test result and error reporting web page
Bus Power Detection	A separate DALI bus power supply is required – but the EXT can detect and report bus power errors

INTERFACES

TPC PoE	RJ45 socket with Link/Data LEDs for direct connection to TPC only (100m max distance)
Ethernet	RJ45 socket for 10/100Base-TX Ethernet with Link/Data LEDs; Fixed IP or DHCP; Power-over-Ethernet (PoE)
DMX512	Isolated DMX port, RDM compatible *
DALI	Individually isolated (1KV) relay outputs (48V 250mA) *
Serial	RS232 *
Inputs	Individually selectable operating mode for contact closure, digital or analog input (24V maximum) *

* Install-friendly 0.200" (5.08mm) plug in rising clamp connectors (included)

Project Name:

Notes:



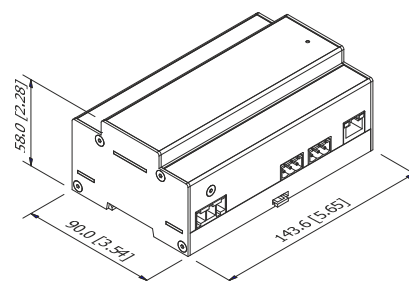
SPECIFICATION

Certifications	CE compliant, ETL/cETL listed
Power	Mains-powered; 100-240VAC / 50-60Hz / 0.1A (10W typical)
Required	Pharos TPC
Temperature	0°C to 50°C (32°F to 122°F)
Physical	8 unit wide DIN rail mounting enclosure (DIN43880 / EN60715 (35/7.5 rail))
Weight	0.5 kg (1.1 lbs)
Shipping	20 x 15 x 12 cm (8" x 6" x 5") 0.7 kg (1.6 lbs)
Recovery	Hardware watchdog and recessed reset button
Warranty	5 years

ORDER CODE & VARIANTS

RIO 80	Remote Input Output Device 80 (8 input, 0 output, Serial/DMX) <i>Pharos Controller required</i>
---------------	--

DIMENSIONS



STANDARDS & CERTIFICATIONS

