



PDTS

Networked Touchscreen

Advanced building automation and control at your fingertips

Designed as an integral part of the Dynalite system, the PDTS offers intelligent control and direct access to scheduling, scene editing, diagnostics, and local environmental sensing.

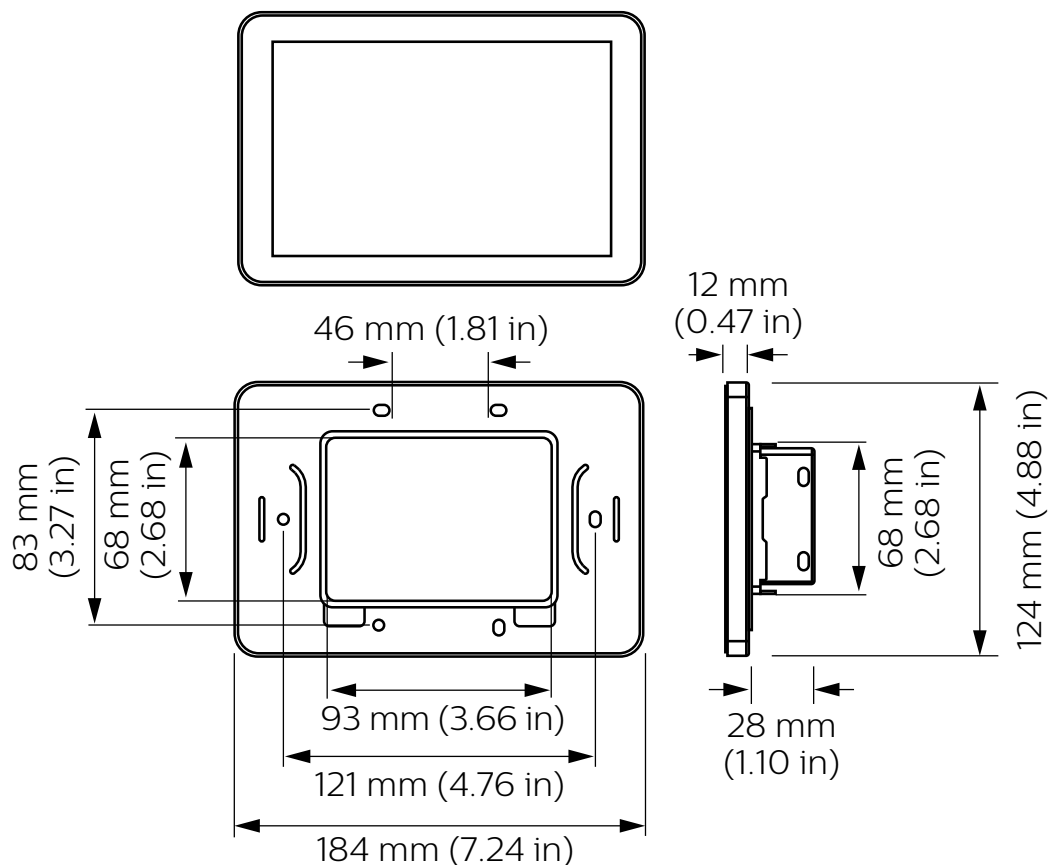
Combining Ethernet connectivity, a powerful onboard processor, and contemporary design cues from the Antumbra user interface range, the PDTS is a sleek, functional complement to any project.

PDTS

Advanced building automation and control at your fingertips

- **178 mm capacitive touchscreen** – With high resolution, rich color and 80° viewing angle.
- **Proximity sensor** – Triggers soft halo light effect to welcome user interaction.
- **Gigabit Ethernet port** – Provides access for commissioning and file transfers.
- **Internal astronomical timeclock** – Enables advanced scheduling of behavior, options, and automated tasks based on time of day or sunrise/sunset.
- **Customisable graphical menus** – Seamless control of lighting, curtains/blinds, HVAC, A/V equipment and compatible third-party systems.
- **Built-in environmental sensors** – Humidity and temperature can be displayed on standby screen and communicated to third-party systems.
- **Templated commissioning option** – Simply load the project XML file for fast configuration, or upload custom web pages from System Builder.
- **Thin profile and easy mounting** – Fits industry-standard double wall boxes (EU or US).
- **Secure access** – Employs HTTPS for secure, encrypted network communication, with support for onboard security certificates.
- **User authentication** – Secure login feature available for CGI commands and user functions, with customizable access levels for each user.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.



PDS Networked Touchscreen

Electrical

Supply Type	SELV / CLASS 2 (UL) external, regulated DC (Sold separately, see Accessories below)
Supply Voltage	12-24 VDC
Supply Current	500 mA @ 12 VDC 300 mA @ 24 VDC
DyNet DC Output Voltage	None
IEC Overvoltage Category	III

Display

Screen Type	LCD capacitive touchscreen
Viewable Area	94 x 150 mm (3.70 x 5.91 in) Diagonal 178 mm (7.01 in)
Resolution	1280 x 800
Color Depth	16 million colors
Viewing angle	80°

Sensors

Temperature Sensor Range	0° to 50°C (32° to 122°F)
Temperature Sensor Accuracy	± 1°C (± 1.8°F)
Humidity Sensor Range	0% to 100% RH
Humidity Sensor Accuracy	± 5% @ 0-100% RH ± 3.5% @ 20-80% RH
Proximity Sensor Range	30 to 50 cm (12 to 19 in)

Communication

Ports	1 x RS-485 1 x gigabit Ethernet (10/100/1000 Base-T, 802.3, CSMA/CD)
Supported Protocols	DyNet TCP/IP (TCP, UDP, IPv4/IPv6) HTTPS / CGI
Clock Features	365 day clock Lithium backup battery Sunrise/sunset tracking Automatic daylight saving adjustment
Storage Capacity	16 MB file storage (max) (28-day rolling network log) 250 timed events 64 tasks
User Inputs	1 x service/reset switch
Indicators	Power Cycle LED (blue) Boot/Recovery Mode LED (red)
Audio	1 x speaker

Physical

Dimensions (H x W x D)	124 x 184 x 40 mm (7.24 x 4.88 x 1.57 in)
Mounted Thickness	11 mm (0.43 in)
Packed Weight	0.7 kg (1.54 lb)
Facia Finish	Glass
Serial Ports	1 x RJ45 (Ethernet) 1 x 5-way pluggable screw terminal +V, D-, D+, GND, SHLD
Serial Port Conductor Size	2.5 mm² (#12 AWG) (max)
Supply Terminals	1 x 2-way pluggable screw terminal +, -
Supply Terminal Conductor Size	2.5 mm² (#12 AWG) (max)
Orientation	Landscape only

Environment**

Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	-25° to 60°C ambient (-13° to 140°F)
Relative Humidity	0 to 90% non-condensing
IP Rating	IP20
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL, FCC, ICES, UKCA, RoHS
---------------	------------------------------------

- * Device cannot be powered from DyNet bus.
Refer to Installation Instructions for correct wiring termination.
- ** For indoor installation only



Ordering Codes

Product		Philips 12NC
PDT5		913703092309
Accessories		
DDNP1501	(15 VDC network power supply)	913703130509

