

## Specification Sheet

User Interfaces > Touchscreen



### Advanced building automation and control at your fingertips

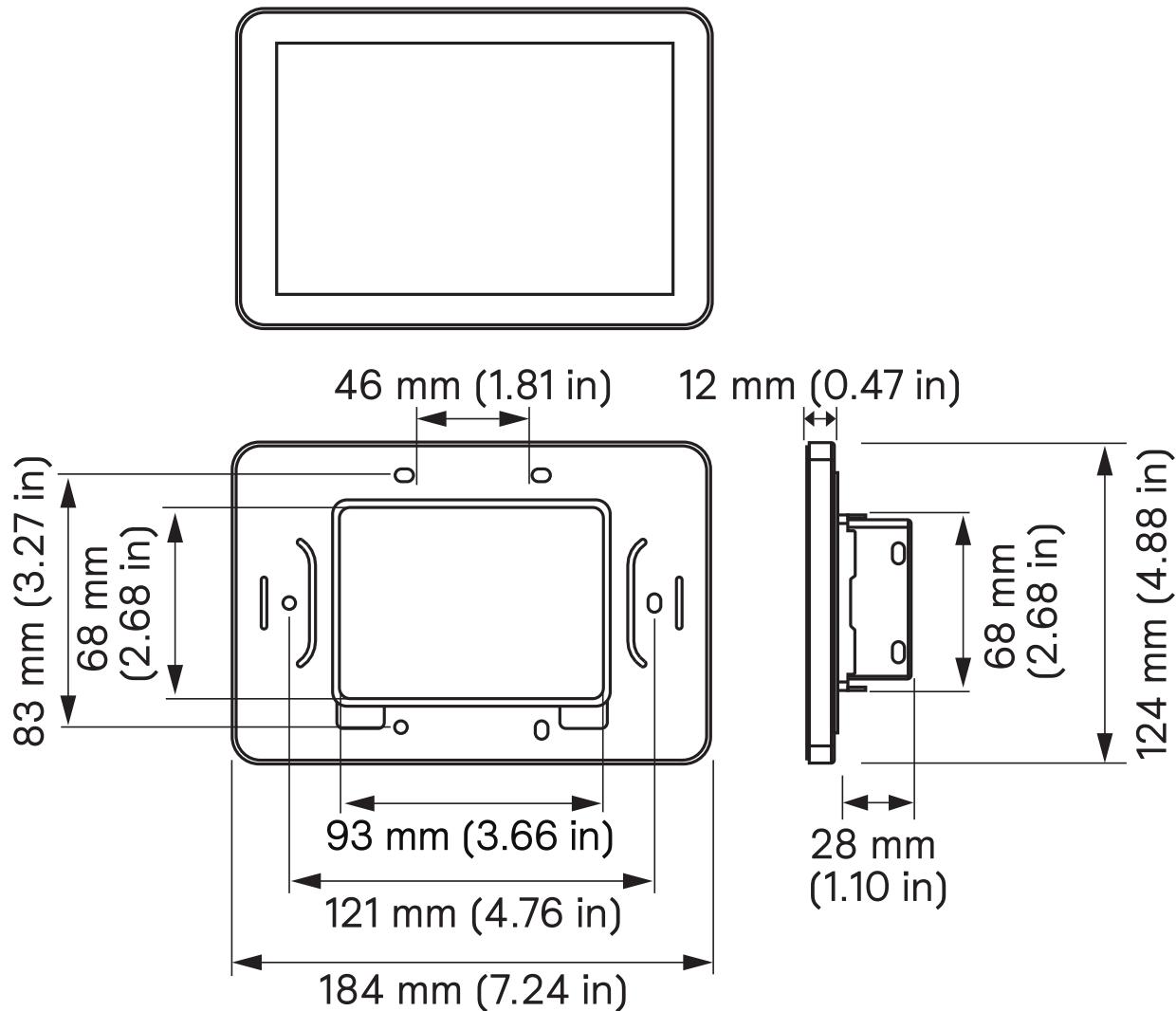
Designed as an integral part of the Dynalite system, the PDTS offers intelligent control and direct access to scheduling, scene editing, diagnostics, and local environmental sensing.

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.

## Key Features

- **178 mm capacitive touchscreen** – With 1280 x 800 resolution and rich colour.
- **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 behaviour, 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 via 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 customisable access levels for each user.

## Dimensions



## Specifications

Electrical		Display	
Supply Type	External regulated DC SELV / CLASS 2 (UL) (sold separately)	Display Type	LCD capacitive touchscreen
Supply Voltage	12-24 VDC	Display Resolution	1280 x 800
Supply Current	500 mA @ 12 VDC 300 mA @ 24 VDC	Viewable Area	94 x 150 mm (3.70 x 5.91 in) Diagonal: 178 mm (7.01 in)
DyNet DC Output Voltage	None	Colour Depth	16 million colors
IEC Overvoltage Category	II	Viewing Angle	80°
Notes	Cannot be powered from DyNet bus. Refer to Installation Instructions for correct wiring termination.	Display Orientation	Landscape only
Control		Physical	
Communication Ports	1 x RS-485 1 x Ethernet (100 BaseT)	Dimensions	124 x 184 x 40 mm (7.24 x 4.88 x 1.57 in)
Supported Protocols	DyNet TCP/IP (TCP, UDP, IPv4/IPv6) HTTPS / CGI	Mounted Thickness	11 mm (0.43 in)
Clock Features	365 day clock Lithium backup battery Sunrise/sunset tracking Automatic daylight saving adjustment	Packed Weight	0.7 kg (1.54 lb)
Storage Capacity	16 MB file storage (max) 28-day rolling network log 250 timed events 64 tasks	Fascia Finish	Glass
User Controls	1 x service/reset switch	Serial Ports	1 x RJ45 (Ethernet) 1 x 5-way pluggable screw terminal
Indicators	Power Cycle LED (blue) Boot/Recovery Mode LED (red)	Serial Port Conductor Size	0.3-2.5 mm <sup>2</sup> (#22-12 AWG)
Audio	1 x Speaker	Supply Terminals	1 x 2-way pluggable screw terminal
		Supply Terminal Conductor Size	≤2.5 mm <sup>2</sup> (#12+ AWG)
Environment		Environment	
		Operating Temperature	0° to 45°C ambient (32° to 113°F)
		Storage/Transport Temperature	-25° to 55°C ambient (-13° to 140°F)
		Relative Humidity	≤90% non-condensing
		IEC Pollution Degree	II
		Installation Note	Indoor installation only
Compliance		Compliance	
		Certifications	CE, RCM, UL, FCC, ISED, UKCA
		Sustainability	RoHS
		IP Rating	IP40



## Ordering Codes

Product	12NC
PDTS	913703334309

Accessory	12NC
DDNP1501	Network Power Supply