PDTS

Networked Touchscreen

Signify Dynalite

Specification Sheet

User Interfaces > Touchscreen



Advanced building automation and control at your fingertips

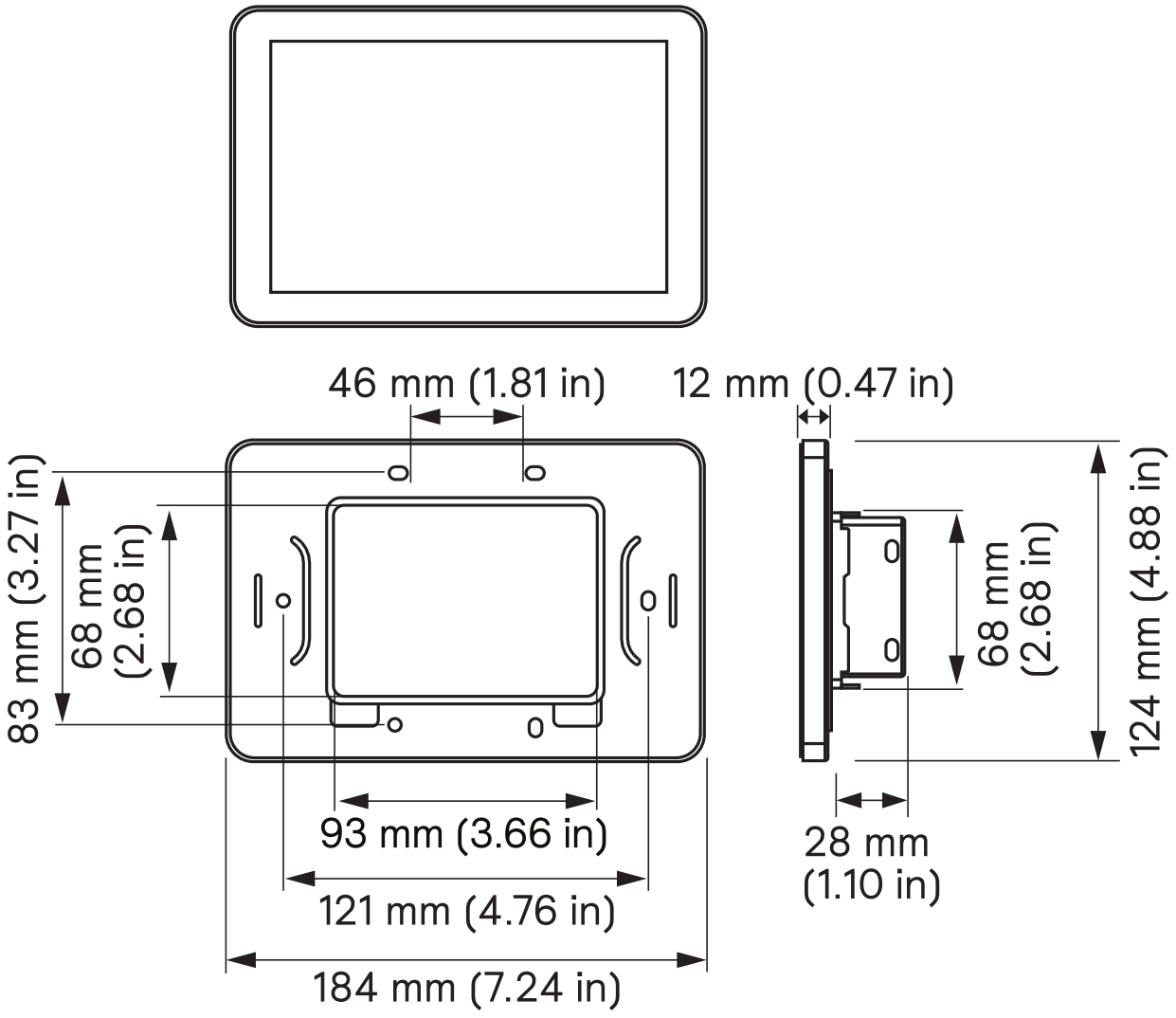
Designed as an integral part of the Dynalite system, the PDTS offers intelligent control and direct access to scheduling, scene editing, diagnostics, and local environmental sensing.

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

Supply Type	External regulated DC SELV / CLASS 2 (UL) (sold separately)
Supply Voltage	12–24 VDC
Supply Current	500 mA @ 12 VDC 300 mA @ 24 VDC
DyNet DC Output Voltage	None
IEC Overvoltage Category	II
Notes	Cannot be powered from DyNet bus. Refer to Installation Instructions for correct wiring termination.

Control

Communication Ports	1 x RS-485 1 x Gigabit Ethernet (1000BASE-T)
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 Controls	1 x service/reset switch
Indicators	Power Cycle LED (blue) Boot/Recovery Mode LED (red)
Audio	1 x Speaker

Display

Display Type	LCD capacitive touchscreen
Display Resolution	1280 x 800
Viewable Area	94 x 150 mm (3.70 x 5.91 in) **Diagonal:** 178 mm (7.01 in)
Colour Depth	16 million colors
Viewing Angle	80°
Display Orientation	Landscape only

Physical

Dimensions	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)
Fascia Finish	Glass
Serial Ports	1 x RJ45 (Ethernet) 1 x 5-way pluggable screw terminal
Serial Port Conductor Size	0.3–2.5 mm² (#22–12 AWG)
Supply Terminals	1 x 2-way pluggable screw terminal
Supply Terminal Conductor Size	≤2.5 mm² (#12+ AWG)

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

Certifications	CE, RCM, UL, FCC, ISED, UKCA
Sustainability	RoHS
IP Rating	IP40

Ordering Codes

Product	12NC
PDTS	913703092309

Accessory		12NC
DDNP1501	Network Power Supply	913703130509

Policies and Notices

Specific Data Notice

This Specific Data Notice applies to the gateways as specified in this product specification sheet (the **"Touchscreen Gateway"**) that is part of or works with a Professional System offered by Signify for use in the European Union and supplements and/or corrects the Generic Data Notice For Professional Systems and Services that can be found at https://www.signify.com/global/resources/policies-announcements (the **"Generic Data Notice"**) by providing additional and/or more specific details specific to this Touchscreen Gateway.

Terms starting with a capital in this Specific Data Notice will have the meaning as attributed thereto in the Generic Data Notice, unless explicitly defined otherwise in this document.

When used in a Signify professional lighting system in combination with a Dynalite Gateway, or when configured as a gateway with either the Dynalite Switch App, Dynalite System Builder, Dynalite System Manager, or Dynalite Cloud, the Touchscreen Gateway can generate the Data as specified below:

When configured as touchscreen only:

- Operational Data: Lighting control commands based on events configured in this product via the RS-485 DyNet network.
- Sensor Data: Temperature and Humidity reporting via the RS-485 DyNet network

When configured as a touchscreen and gateway:

- Lighting control commands including configuration commands and collected metrics from devices within the connected network(s). When configured to do so, the Touchscreen Gateway can forward all collected network messages every 20 minutes to the Dynalite Cloud, or stream these network messages to Dynalite System Manager. The Touchscreen Gateway can actively poll capable devices in the DyNet network for their online status, burning hours, consumed energy, consumed power, and device failures.
- Motion event count, temperature, humidity, lux level, driver status from capable sensors in the DyNet network reported as per configuration

The type and volume and format of Data that is generated depends on the actual devices used in the network, the product and/or software configuration. For further details on data generation capabilities of such devices, please check the product specification sheets of such devices.

The Data generated in this combination is communicated via the network to the gateway and is stored on the gateway. If configured to do so, the gateway can forward the Data to Dynalite Cloud or to Dynalite System Manager. For applicable retention period and means of access to Data that is Readily Available Data, please refer to the Dynalite Cloud software specification sheet. Data can be accessed from the Gateway using Dynalite System Builder or directly from any of the APIs of the Gateway. The Gateway will persist the Data for 28 days on a rolling basis.

This Specific Data Notice may be changed by Signify from time to time. The current version of this notice will apply and can be obtained at request via the point of contact as indicated in paragraph 7 of the Generic Data Notice.

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