

# TPS-6LW-T

## Isys 5.7" • Wall Mount Touchpanel, Matte White

The Crestron Isys® TPS-6L Wall Mount Touch Panel delivers high-end style and performance in a compact, cost-effective flush mount design. Featuring a bright, beautiful, high-contrast 5.7" color touch screen with 16-bit Isys graphics, 640 x 480 resolution, and single video window display, the TPS-6L delivers a world of control capability yet leaves a very small footprint. The addition of 12 optional pushbuttons provides quick access to commonly used functions.

Crestron® touch panels offer an ideal user-interface for controlling everything from basic audio distribution and lighting to complete home automation and multimedia presentation, providing a wide-open canvas for the creation of custom control screens perfectly tailored to the needs of the end-user. Touch panels do away with piles of remote controls, cryptic front panels, and cluttered wall switches, affording true "one-touch" control over a broad range of complex devices and systems.

### Isys? Color Touch Screen

Isys power and beauty are infused throughout the entire Crestron touch panel lineup. Under the hood, the Isys engine combines a 32-bit microprocessor with an ingenious and ultra efficient operating system to produce astonishing full-color graphics and high-res images with lightning-fast performance. Dynamic graphics and text capability enable the display of all kinds of useful data and alluring eye candy—from audio settings, satellite radio channels, and lighting levels—to changing icons, photos, and logos—to digital media playlists complete with album cover art. Crestron exclusive DNav and Synapse? technologies enable system programmers to produce amazing graphics faster and easier using advanced dynamic control menus and 3D effects. Additional capabilities like animations, multimode objects, PNG translucency, and full-motion video enhance the palette for creating GUIs that are both eye-catching and easy to use.

### Full-Motion Video

The TPS-6L can display full-motion video from an external source, providing an exceptional utility for viewing security cameras and other video signals on the touch screen display. The video image is fully scalable for viewing in any sized window or full screen. The choice of balanced or unbalanced composite inputs allows compatibility with both conventional

coaxial and Crestron Home® Balanced AV distribution systems.

### Audio and Intercom

Customized WAV audio files can be loaded on the touch panel to add dimension to its touch screen graphics using personalized sounds, button feedback, and voice prompts. A speaker option (**SPK-6L<sup>[1]</sup>**) can be added for amplification of external AV sources, and to supports programmable intercom functionality in combination with the built-in microphone.

### Crestron Home® CAT5 AV

The TPS-6L is ideal for use with AV distribution and intercom systems of all sizes. Its balanced audio and video connections make installation easy and affordable using inexpensive CAT5 type wire and our popular CH CAT5

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AV distribution switchers. A single balanced video input accepts signals from composite video sources over wiring distances of up to 750 feet, while balanced audio connections are included to accept incoming stereo program audio and intercom signals, and to output audio from the internal microphone. Connection to conventional coaxial video and audio systems is also supported.

### Pushbutton Options

The TPS-6L features a faceplate containing 12 programmable "hard key" pushbuttons, elegantly trimmed by illuminated button dividers. Integral to the faceplate, the pushbuttons are positioned along the left and right edges of the touch screen, making it possible to align dynamically changing text and graphics onscreen beside the pushbuttons to support context-sensitive menu functions such as digital media titles, channels, or lighting presets. Custom engraving of the buttons is available, with a choice of solid or backlit text. A plain no-button faceplate is also included, allowing a very clean appearance with no pushbuttons.

### Auto-Brightness Control

Its built-in light sensor automatically adjusts the TPS-6L's display brightness and button backlighting for an optimal appearance and clear legibility in both darkened and fully lit rooms.

### High-Speed Connectivity

Both Cresnet® and high-speed Ethernet are standard on the TPS-6L, providing for easy network integration and seamless communications with Crestron control systems.

### Versatile Flush-Mount Design

The TPS-6L is designed for easy flush-mount installation in a wall, lectern or similar flat surface. Mounting clips furnished with the TPS-6L facilitate a clean installation in drywall and many furniture applications. Additional mounting

options are available separately including optional back box and 19-inch rack mount kit.

## SPECIFICATIONS

### Touch Screen Display

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Display Type : TFT Active matrix color LCD

Size: 5.7 inch (145 mm) diagonal

Aspect Ratio: 4:3 SVGA

Resolution: 640 x 480 pixels

Brightness: 400 nits (cd/m<sup>2</sup>)

Contrast: 400:1

Color Depth: 18-bit, 256k colors

Illumination: Backlit fluorescent w/auto-brightness control

Viewing Angle: ±80° horizontal,

+80°/-70° vertical

Touch Screen: Resistive membrane

### Buttons

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Hard Keys: (12) Optional engravable pushbuttons, optional auto-dimmable backlighting

Reset: (1) Miniature pushbutton for hardware reset, behind faceplate

### Memory

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SDRAM: 32 MB

Flash: 32 MB

Maximum Project Size: 28 MB

### Graphic Engine

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16-bit non-palette graphics, 65,536 colors, Synapse image rendering algorithm, multi-mode objects, DNav dynamic menu

objects, dynamic graphics and text, PNG translucency, full-motion (60 fps) animation, color key video windowing

### Communications

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Ethernet: 10BaseT/100BaseTX, auto-switching,  
auto-negotiating, auto-discovery, full/half duplex, TCP/IP,  
UDP/IP, CIP, DHCP, for control and console  
Cresnet: Cresnet slave mode, for control and console

### Video

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Signal Types: Composite  
Formats: NTSC 480i or PAL 576i  
Color Depth: 18-bit; 262,144 colors  
Windowing: Single-window, deinterlaced, fully-scalable

### Audio

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Hardware Features: Built-in microphone, internal speaker  
for WAV/keyclick, optional amplified speaker for  
program/intercom, internal volume & tone control  
Functions: Wired intercom, audio feedback, keyclick  
Audio Feedback: WAV format, 8-bit PCM, mono, 8 kHz sampling  
rate  
Amplification: 0.75 Watt for internal WAV/keyclick speaker,  
6 Watts for optional program/intercom speaker (requires  
SPK-6L speaker kit <sup>[1]</sup>)

### Connectors

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LAN: (1) 8-wire RJ45 with 2 LED indicators;  
10/100BaseT Ethernet port;  
Green LED indicates link status;  
NET: (1) 4-pin 3.5mm detachable terminal block;  
MIC OUT: (1) 3-pin 3.5mm detachable terminal block;  
Balanced mono line-level output;  
Output Impedance: 600 Ohms balanced, 300 Ohms unbalanced;  
AUDIO INPUT: (1) 5-pin 3.5mm detachable terminal block;  
Balanced/unbalanced stereo (summed to mono) line-level  
input (requires [SPK-6L](#) speaker kit <sup>[1]</sup>);  
Input Impedance: 10k Ohms balanced, 5k Ohms unbalanced;  
Maximum Input Level: 2 Vrms balanced/unbalanced;  
Normally connects to a Crestron CAT5 balanced audio source

via CresCAT cable;  
NTSC/PAL INPUT: (1) 5-pin 3.5mm detachable terminal block;  
Balanced (CAT5) or unbalanced (coaxial) composite video  
inputs;  
Formats: NTSC 480i or PAL 576i;  
Input Impedance: 100 Ohms balanced, 75 Ohms unbalanced;  
Input Level: 1 Vp-p nominal;  
Balanced input normally connects to a Crestron CAT5  
balanced video source via CresCAT cable;  
Speaker Option: 6-pin (2x3) rectangular connector;  
Connects to optional [SPK-6L](#) speaker kit <sup>[1]</sup>

### Power Requirements

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Cresnet Power Usage: 15 Watts (0.625 Amp @ 24 Volts DC)

### Environmental

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Temperature: 32° to 104°F (0° to 40°C)  
Humidity: 10% to 90% RH (non-condensing)  
Heat Dissipation: 51 BTU/hr

### Enclosure

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Construction: Injection-molded plastic, flush-mountable  
using (4) clips provided (additional mounting kits  
available)  
Faceplate: Injection-molded plastic, button and no-button  
faceplates included, optional solid or backlit button  
engraving sold separately

### Dimensions

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Height: 5.60 in (143 mm)  
Width: 7.40 in (188 mm)  
Depth: 2.28 in (58 mm);  
3.58 in (91 mm) with [SPK-6L](#)

### Weight

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1.52 lb (0.69 kg)

Notes:

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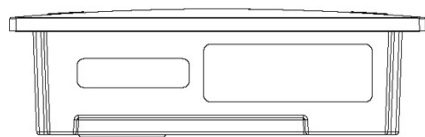
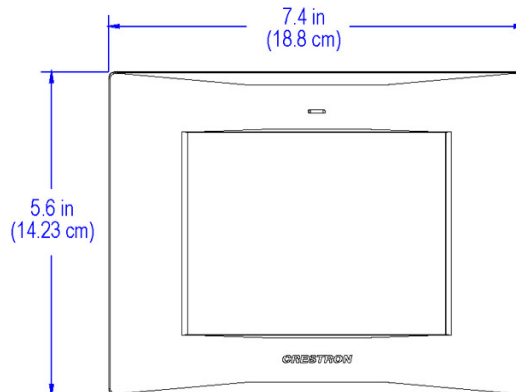
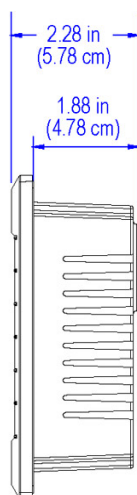
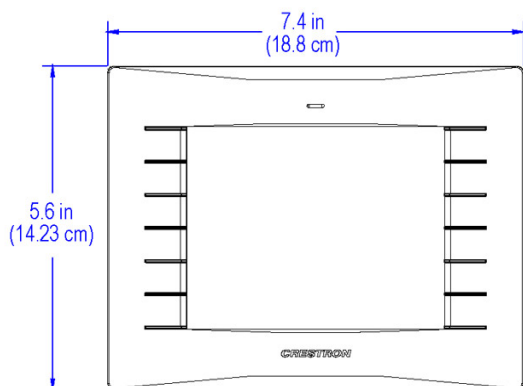
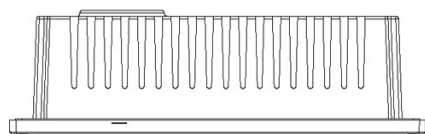
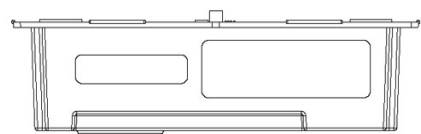
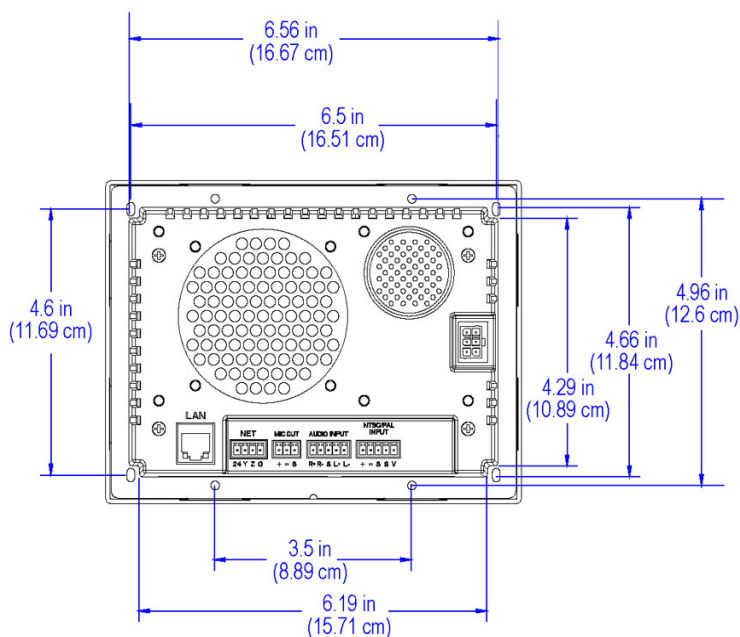
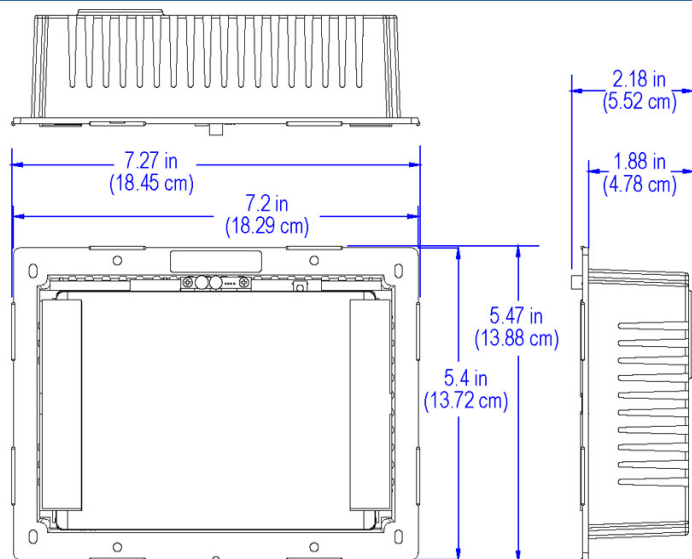
Item(s) sold separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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