

## Isys® 3.6” Wall Mount Touch Screen

- > 3.6” active matrix color touch screen display
- > 16-bit Isys® graphics | 320 x 240 resolution
- > Synapse™ Image Rendering Algorithm
- > 10 white backlit pushbuttons and engravable faceplate
- > WAV file customizable audio feedback
- > Ethernet and Cresnet® communications
- > Stylish flush wall mount design
- > Available with almond, black, or white finish
- > Optional faceplates available in 10 designer colors

The Isys® TPS-4L Wall Mount Touch Screen from Crestron® delivers amazing touch screen performance at an incredibly low cost. In the space of a common light switch, the TPS-4L packs a bright, high-contrast 3.6” active matrix touch screen with 16-bit color graphics and 10 backlit pushbuttons.

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

### Isys®

Isys power and beauty are infused throughout the entire Crestron touch screen lineup. Under the hood, the TPS-4L offers vibrant 16-bit color depth to produce eye-catching graphics and high-res images. The Isys engine supports dynamic graphics and text, full-motion animations, multimode objects, and PNG translucency — all with astonishing speed.

### Synapse™

The Crestron exclusive Synapse Image Rendering Algorithm enables system programmers to produce amazing graphics — faster and easier. Advanced antialiasing delivers crisper, sharper objects and text. Enhanced 3D effects add new depth and style. And because Synapse is native to the touch screen, memory requirements and upload time are substantially reduced.

### Tactile Pushbuttons

Ten programmable “hard key” pushbuttons are included for quick pushbutton access to commonly used functions. Translucent white backlit buttons and a custom engravable faceplate simplify operation while providing an alluring appearance.

### Audio Feedback

Customized WAV files can be loaded on the touch screen to add another dimension to the touch screen graphics and pushbuttons with personalized sounds, button feedback, and voice prompts.



### High-Speed Connectivity

Both Cresnet® and high-speed Ethernet are standard on the TPS-4L, providing for easy network integration and seamless communications with Crestron control systems.

### Versatile Flush-Mount Design

The TPS-4L is designed for easy flush-mount installation in a wall, lectern or similar flat surface. Mounting clips furnished with the TPS-4L facilitate a clean installation in post-construction drywall and many furniture applications. Additional mounting options are available.

### 10 Designer Colors

Optional faceplates are available in a choice of 10 designer colors to match any décor. Faceplates may be ordered with or without custom engraving.

## SPECIFICATIONS

### Touch Screen Display

- Display Type: TFT Active matrix color LCD
- Size: 3.6 inch (91 mm) diagonal
- Aspect Ratio: 4:3 QVGA
- Resolution: 320 x 240 pixels
- Brightness: 300 nits (cd/m<sup>2</sup>)
- Contrast: 300:1
- Color Depth: 16-bit, 64k colors
- Illumination: Edgelit LED
- Viewing Angle: ±80° horizontal, +80°/-50° vertical
- Touch Screen: Resistive membrane

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## Buttons

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**Hard Keys:** (10) Translucent white backlit pushbuttons, programmable  
**Reset:** (1) Miniature pushbutton for hardware reset, behind faceplate

## Memory

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**DRAM:** 16 MB  
**Flash:** 8 MB  
**Maximum Project Size:** 7 MB

## Graphic Engine

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Isys® engine; 16-bit non-palette graphics; 65,536 colors; Synapse™ image rendering algorithm, multi-mode objects, dynamic graphics, PNG translucency, full-motion (60 fps) animation

## Communications

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**Ethernet:** 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP  
**Cresnet®:** Cresnet slave mode

## Audio

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**Hardware Features:** Built-in amplified speaker (rear), internal volume control  
**Audio Feedback:** WAV format, 8-bit PCM, mono, 8 kHz sampling rate  
**Amplification:** 1 Watt for built-in speaker

## Connectors

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**NET:** (1) 4-pin 3.5mm detachable terminal block, Cresnet slave port; Connects to Cresnet control network  
**LAN:** (1) 8-wire RJ45 with 2 LED indicators; 10Base-T/100Base-TX Ethernet port; Green LED indicates link status; Yellow LED indicates Ethernet activity

## Power Requirements

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**Cresnet Power Usage:** 5 Watts (0.21 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)

## Enclosure

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**Construction:** Plastic, flush-mountable using clips provided (additional mounting kits available separately)  
**Faceplate:** Plastic, optional colors available separately

## Dimensions

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**Height:** 4.54 in (116 mm)  
**Width:** 6.19 in (158 mm)  
**Depth:** 2.13 in (54 mm)

## Weight

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15.0 oz (0.43 kg)

## MODELS & ACCESSORIES

### Available Models

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**TPS-4LA:** Isys® 3.6" Wall Mount Touch Screen, Almond  
**TPS-4LB:** Isys® 3.6" Wall Mount Touch Screen, Black  
**TPS-4LW:** Isys® 3.6" Wall Mount Touch Screen, White

### Available Accessories

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**TPS/TPMC-4L-FPA:** Engravable Faceplate, Almond  
**TPS/TPMC-4L-FPB:** Engravable Faceplate, Black  
**TPS/TPMC-4L-FPBT:** Engravable Faceplate, Butter  
**TPS/TPMC-4L-FPCR:** Engravable Faceplate, Cream  
**TPS/TPMC-4L-FPEC:** Engravable Faceplate, Ecru  
**TPS/TPMC-4L-FPMS:** Engravable Faceplate, Mustard  
**TPS/TPMC-4L-FPSM:** Engravable Faceplate, Smoke  
**TPS/TPMC-4L-FPST:** Engravable Faceplate, Stone  
**TPS/TPMC-4L-FPW:** Engravable Faceplate, White  
**TPS/TPMC-4L-FPWH:** Engravable Faceplate, Wheat  
**BB-4L:** Back Box  
**PMK-4L:** Pre-Construction Mounting Kit  
**TMK-4L:** Trim Ring for BB-4L and PMK-4L  
**MMK-4L:** Mud Ring for BB-4L and PMK-4L  
**WMKT-4L:** Post-Construction Wall Mount Kit w/Trim Ring  
**WMKM-4L:** Post-Construction Mounting Kit w/Mud Ring  
**WMKB-4L:** Wall Mount Clips, 10 Sets  
**CRESNET-NP:** Cresnet® Control Cable, non-plenum  
**CRESNET-P:** Cresnet® Control Cable, plenum  
**CRESNET-HP-NP:** Cresnet® "High-Power" Control Cable, non-plenum

Notes:

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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