Installation guide
TSE100 Colour Touchscreen

Planning the Installation

TSE100 is designed to be wall mounted in landscape orientation.

TSE100 requires a minimum mounting depth of 1.86" (47mm) from the front wall surface plus room for cable/s. TSE100 is designed to be powered over an Ethernet connection (PoE), via iCANnet™ or an auxiliary power supply.

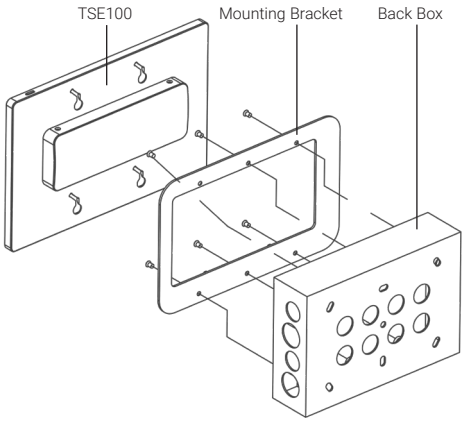
There are two ways the TSE100 communicates with an iCANnet™ network.

1. A hard wired Ethernet connection to a TSI-1 / TSI-1-NA via a PoE Switch.

Or

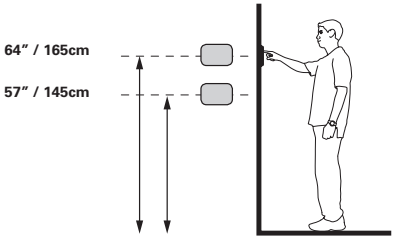
2. Directly to iCANnet™ using iCANnet™ cable.

Overview



Mounting height

The recommend mounting height for the TSE100 is 57 - 64in (145-165cm) above the finished floor to the center of the unit.



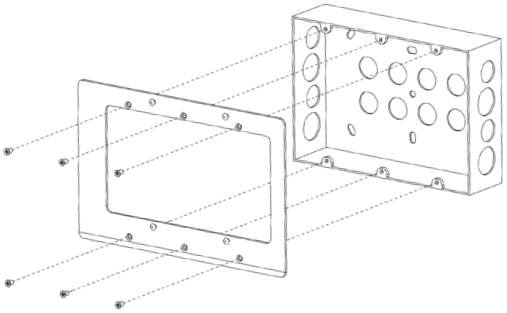
Installation

A dedicated mounting bracket is included with the TSE100. Also available is an optional back box - 12NC 912600000669
(Dimensions: 134mm h x 195mm w x 48mm d. 5.28" h x 7.68" w x 1.89" d)

The mounting bracket must be used for the installation.

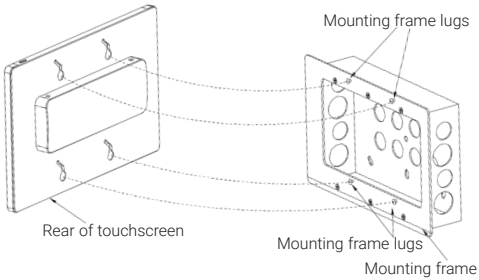
Using the included screws, (or any other flat head M3.5 screws) fix the mounting bracket to the back box and verify that the components are level before mounting the screen.

To allow the screen to be mounted to the bracket, ensure there is 40mm clearance above and to the right of the backbox.



Mounting the TSE100

Align the mounting frame lugs with the TSE100 mounting key slots. Once located, slide the screen first downwards and then diagonally down and to the left. Make sure the mounting lugs are properly engaged.



Removing the TSE100

Grip the touchscreen firmly and first lift diagonally up and to the right, then directly upwards to disengage the mounting bracket lugs from the touchscreen slots.

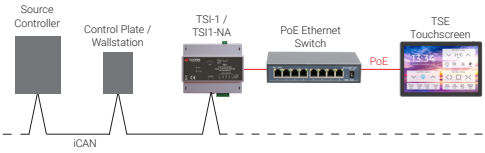
Connecting to the lighting system

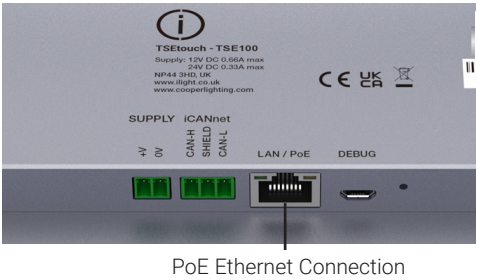
Via Ethernet

TSE100 can connect to the lighting system using a touchscreen interface (TSI-1 or TSI-1NA) via a PoE network switch.

Connect the TSE100 using a standard CAT5E or CAT6 Ethernet cable from the PoE network switch to the LAN/PoE socket on the back of the TSE100.

Ensure that both the touchscreen and touchscreen interface are on the same physical Ethernet Network and within the same IP address range. See the 'TSE40/TSE100 Programming Guide' for information on setting IP addresses.

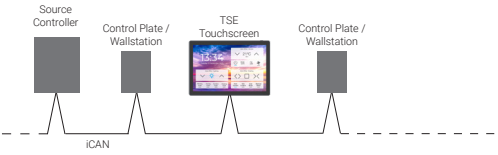


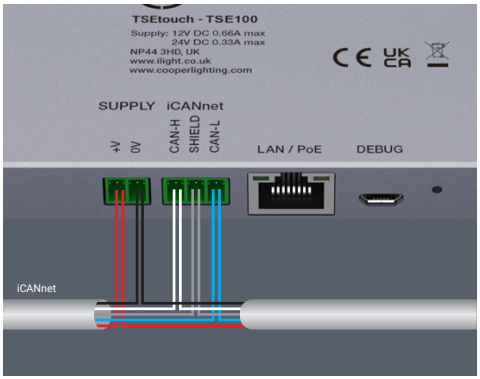


PoE Ethernet Connection

Direct to iCANnet™ using network power

Sufficient DC power must be available on the iCANnet™ network to accommodate the touchscreen.



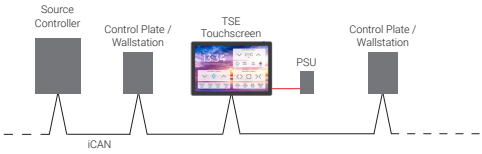


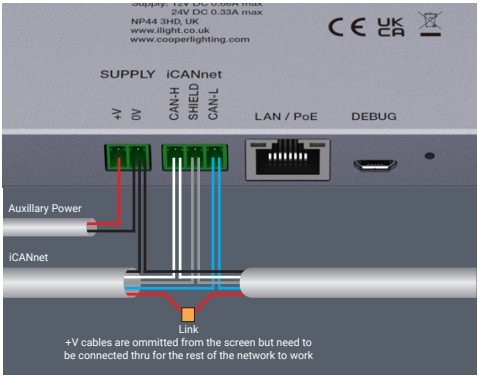
iCANnet™ Network Connections

Function	iCANnet™ Cable Colours
+VDC	Red
0V	Black
CAN H	White
Shield	Silver
CAN L	Blue

Maximum segment distance: 500m (1640 ft)
Devices per segment: 100 (without bridge or repeater).

Direct to iCANnet™ using auxillary power supply
TSE100 can also be connected directly to the iCANnet™ network using iCANnet™ cable and an auxillary power supply.
Note: When utilising a suitable DC power supply, such as 12NC: 912600000668, be sure to fit the green power connector included with the touchscreen, paying particular attention to polarity.



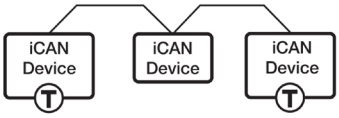


iCANnet™ Network Connections

Function	iCANnet™ Cable Colours
+VDC	Red (Not connected)
0V	Black
CAN H	White
Shield	Silver
CAN L	Blue

Termination

iCANnet™ is a 'daisy chain' protocol that requires termination on the device located at either end of the chain.



Ⓣ - Indicates where a termination is required.

If the TSE100 is the last device on the network a 120ohm termination resistor will need to be added between CAN-H and CAN-L (White & Blue). These are included in the SW3 Kit.

Specifications

Dimensions: 245.4mm w (9.66") x 164mm h (6.45")

Mounting depth: 47mm (1.86")

Display: 10.05" (255.27mm) Diagonal

Resolution: 1280 x 800 (16:10)

Network: 10/100/1000 Ethernet

Supply:
- Power over Ethernet (PoE)
- 15V DC (12-18V) via iCANnet™
- 12-24V DC via auxiliary power supply

Never apply more than 18V DC to iCANnet™

Current Consumption:
12V DC - 660mA Max
24V DC - 330mA Max

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