Mechanical Data

Weight: 3.8 kg

Material: Sheet steel
Surface Treatment: RAL9016 powdercoat
Door: Lockable steel hinged door

Mains Cable Access
6 x 25.5mm/M25 knockout &
1 x 38.3mm/PGx knockout

Control Cable Access
1 x 25.5mm/M25 knockout

Terminal Sizes
Neutral: 2 x 25mm^2 & 13 x 16mm^2
Earth: 2 x 25mm^2 & 13 x 16mm^2

Climate Range
Temperature: +2ºC to +50ºC
Humidity: +5 to 95% non condensing

Ratings
Ingress Protection: IP20
Impact Resistance: IK07
In accordance with: IEC 62208:2011

Electrical Data

Supply: 230 volts -/+ 10% 50/60 Hz

Protection: 6A MCB

Terminal Size:
Neutral: 2 x 25mm^2 & 13 x 16mm^2
Earth: 2 x 25mm^2 & 13 x 16mm^2
iCANnet™ screw terminals: 5 x 1mm^2
Power screw terminals: 2 x 1mm^2
RS485 screw terminals: 3 x 1mm^2

Installation: Installation must be carried out by a suitably qualified electrician.

Control Data

Control: Via iLight network connection or Ethernet

Recommended Network Cable:
iCANnet™ Network Cable

Programming: Via Device Editor software. TSEdesigner is required for the configuration of TSE Screens and associated App content and pages.
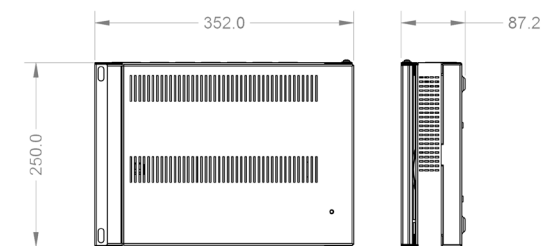
Installation Guide

i LIGHT

EN1-TSI1
TSEtouch Gateway Control Enclosure

Dimensions

352.0   87.2
250.0

Overview

The TSI-1 Touchscreen Interface enables the use of multiple TSE55 and TSE80 colour touchscreens and ensures synchronization of screen configurations across an entire building installation. It also facilitates connection to iLight's TSEtouch app enabling personalised control from your compatible hand held smart device.

Additionally a built in scheduler allows for timed events to suit your building needs and BACnet capabilities for the integration of building services such as HVAC, further enhancing the capabilities of this powerful interface unit.

The compact design of EN1-TSI1 delivers system flexibility as well as reducing installation costs and space used. Being part of the iLight system, it can be seamlessly integrated into flexible lighting schemes with any type of lighting load for commercial, architectural and residential applications.

The knockouts to the top of the enclosure have been designed to line up with any of the original iLight source controllers making replacement quick and easy in a retrofit environment.

A dedicated knockout is provided for iCANnet connection to the EN1-TSI1 and several accessories are available to aid the installer in connection of the iCANnet™ network.

Location

Control cabinets must be located in a dry, well ventilated location where the ambient temperature is within the range of +2^{0}C to 50^{0}C (humidity of +5 to +95% non-condensing).

The EN Series are designed to be mounted vertically on a suitable surface, capable of supporting the weight of the populated assembly. It is important to orientate the unit correctly to allow for effective airflow for ventilation.

It is recommended to leave 100mm distance between the control cabinet and walls or other equipment underneath and either side of the unit.
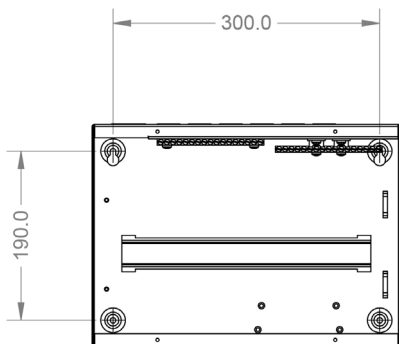
The EN series accommodate most common forms of cable management. Care should be taken not to obscure any ventilation grill on the enclosure.

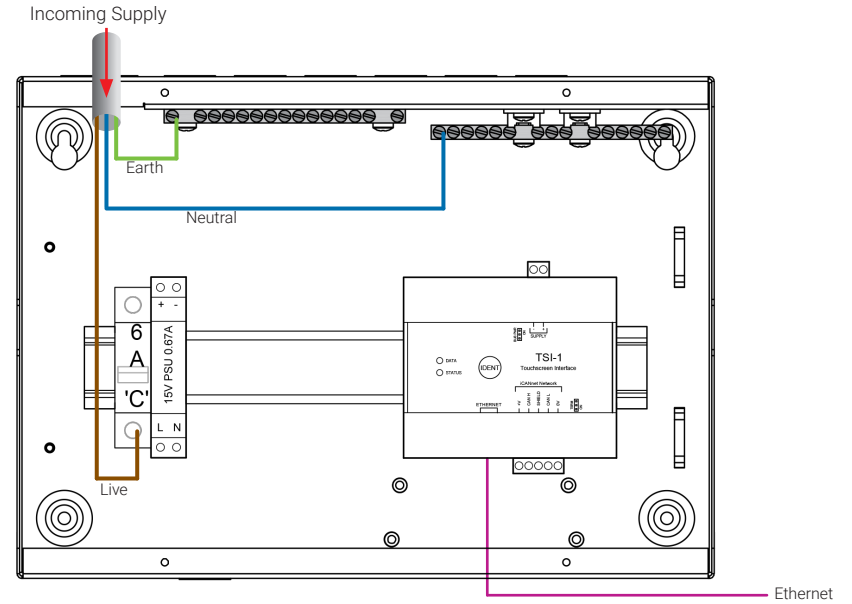100mm   100mm

100mm

Air Flow
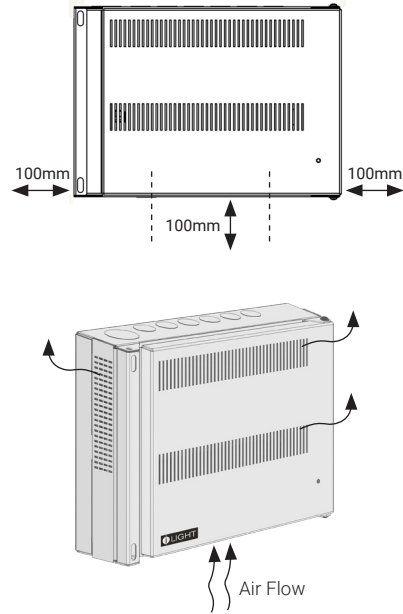
Mounting

Before mounting the cabinet to the wall, the cover will need to be removed. There are 4 screws behind the hinged door which, when unscrewed, allow the cover assembly to be removed.

In the rear section of each cabinet, there are 4 fixings holes, each accommodating up to 6mm diameter fixings. The top holes are 'key slot' design enabling the cabinets to first be hung and then secured onto place using the 2 lower fixings.

300.0

190.0

Supply and Control Wiring

Incoming Supply

Earth

Neutral

6 A 'C'

15V PSU 0.67A

+   -

L   N

DATA

STATUS

iCENT

TSI-1
Touchscreen Interface

iCANnet Network

ETHERNET

Live

Ethernet

Accessories

ENACC-LND-INT - iCANnet Landing Card

ENACC-PRG-INT - iCANnet Programming Port and RJ12 lead

The optional landing card provides connection of the iCANnet Network to the internal panel network. M4 Threaded posts are provided as standard to support the installation of this optional card.

The card can then be connected to the optional RJ12 programming port via an RJ12 lead to provide external connection to the network for programming and maintenance.

RJ12 Lead

Mounting Points

Landing Card

Programming Port

External Connection

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