

5" LCD Touch Switch

Wall mounted control interface for the RAPIX™ Lighting Control System



Designed in Australia to meet
Australian Standards and
installation conditions



Introduction

Important notes



This product must only be used in conjunction with a **RAPIX™ Lighting Control System** and connected as highlighted in this guide.

There are no user serviceable parts inside this device. Do not attempt to disassemble or operate the device with any covers removed.

If you require information or assistance regarding the installation or operation of this product, contact Technical Support at Ozuno. Contact details are provided on the back cover of this guide.

Product summary

The 5" LCD Touch Switch provides a wall mounted control interface for the RAPIX™ Lighting Control System. The switch is fully configurable using **RAPIX™ Integrator** software, with a maximum of 20 touch-based buttons (over 4 pages). Each button can be assigned descriptive text. A range of graphical interface options are selectable from a collection of themes.

A wide range of button functions are supported through **RAPIX™ Integrator** software. For example, push and hold to fade up or down, scene control, timers and many other options.

To enable quick and easy installation, the switch connects directly to a RAPIX™ eHub smart channel, with no need for a separate power supply connection. It is readily mounted on most wall surfaces.

Product Features

- 5" colour LCD with capacitive touch overlay
- Proximity sensor for automatic change from the fallback display page
- Up to 20 software configurable control buttons
- Supports date and time display
- Optional beep when touched
- Customisable button text with Unicode support
- Ability to show progress of fading operations (up, down) and timer operations
- Optional fall-back page which can be configured to show a blank page, time, date and time or a definable logo
- Supports 6 common languages (English, French, German, Italian, Spanish and Simplified Chinese) as well as Unicode for button text
- Screen brightness can be configured through **RAPIX™ Integrator** software
- Automatic brightness control based on timeout after a touch

Installation

Installation Features

The LCD Touch Switch is designed to allow easy mounting to a wall, a panel or enclosure, or directly onto most supportive walls or drillable flat surfaces. This includes plaster board, wood, metal, plastic and concrete.

A single hole must be drilled to enable the patch cable to pass through to either of the RJ45 sockets on the back of the display. The RJ45 connections of the display will protrude into the hole.

A mounting adaptor plate is included and is screwed to the wall or surface. The display module and front bezel cover clip to this adaptor plate.

Installation Notes

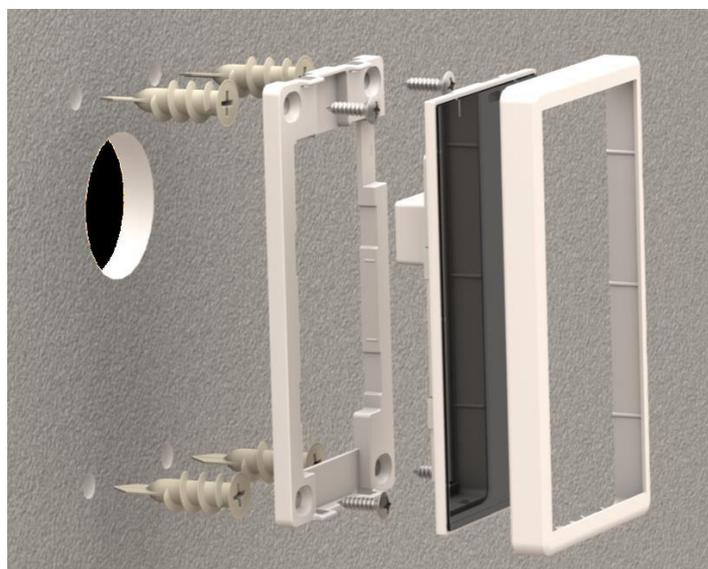
- Use a hole saw to drill a hole between 45 mm and 55 mm diameter. The hole needs to be larger than 45mm so that the RJ45 sockets have clearance and do not bind in the hole.
- The mounting adaptor plate has 4 corner slots designed for countersunk self-tapping screws. These holes are slotted to allow some tolerance when mounting.
- Any or all of the 4 mounting holes can be used; select the most appropriate number for your target installation. Use of all 4 mounting holes is strongly recommended.
- **On walls that are not completely flat, one or more of the mounting screws may need to be backed off a little to prevent the mounting adaptor plate and LCD module from being twisted.**

Mounting

The front cover and display module should be removed from the mounting adaptor plate so the mounting holes are accessible.

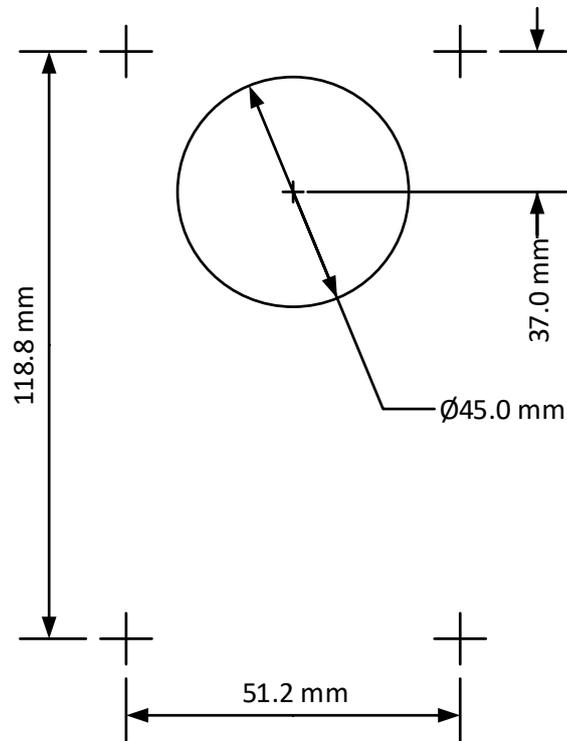
To do this, the display module can be unclipped by carefully raising the two upper (or lower) clips. This will release the display module from the mounting base. Please ensure only gentle force is applied to these clips so they are not damaged.

Example showing mounting into plaster board using plasterboard anchors:



Mounting Dimensions

The following dimensions can be used for mounting features.



(This diagram is not to scale and can not be used a drilling template)

The holes on the mounting adaptor plate are horizontal slots, allowing a limited amount of adjustment.

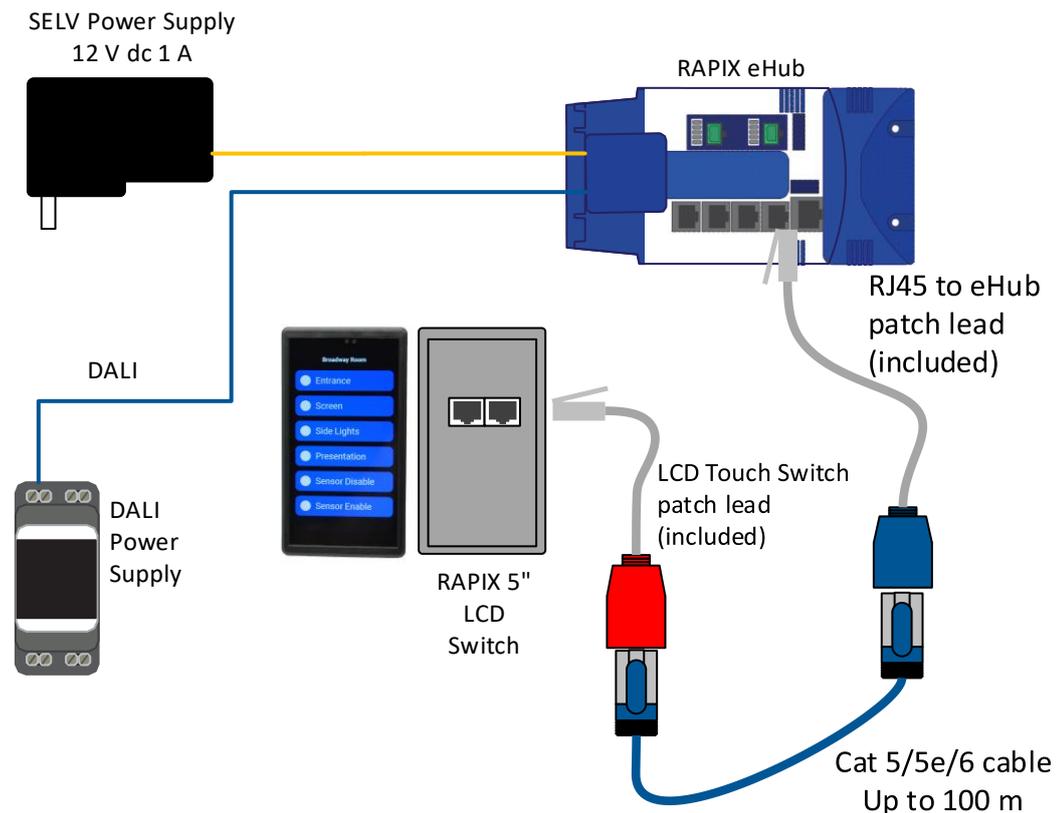
Interconnections & Wiring



This product must only be used in conjunction with a **RAPIX™ Lighting Control System** and connected as highlighted in this guide.

The LCD Touch Switch is connected to any of the four smart device ports on a RAPIX™ eHub.

Up to 100m of standard Cat 5 / Cat5e cable can be used, with the appropriate patch lead / adaptor lead at each end.



A patch lead with a **RED** female RJ-45 socket must be used at the LCD Touch Switch. This connects to either of the 2 sockets.

A patch lead with a **BLUE** female RJ-45 socket must be used at the eHub.

The eHub powers the LCD Touch Switch through the above Cat 5/5e connection. The LCD Touch Switch does not require a separate power supply.

Configuring and Commissioning

The LCD Touch Switch is configured using **RAPIX™ Integrator** Software. Contact Ozuno for further details.

Specifications

Product specifications

Parameter	Specification
Screen Size	5.0" (nominal, diagonal)
Screen Resolution	480 x 854 pixels
Colour Depth	16 bits, 65 K colours
Pixel Pitch	0.128 (H)mm x 0.128 (V)mm
Pixel Density	197 pixels/inch
Brightness	500 cd/m ² (maximum, configurable in software)
Contrast Ratio	1000:1
Touch Overlay Type	Capacitive
Display Viewing Area	62.6 x 110.5 mm
Number of Control Buttons	Configurable: 1 – 20 buttons Single Page: up to 6 buttons Multiple Pages: up to 5 buttons per page
Connection	Connects to eHub using RJ11/RJ12 patch lead and RJ45 patch lead
Power	12 V dc, 0.25 A (nominal), power supplied by eHub through patch lead
Cable type	Cat3 / Cat5 / Cat5e / Cat6 – supplied with patch lead adaptor
Exterior trim colour	Black (White available as an option)
Date / Time Display	Yes: The eHub needs access to a time source over Ethernet or alternatively from a Zone Controller providing time over DALI
Ambient operating temperature	-20 to +70° C
Ambient storage temperature	-30 to 80° C
Humidity	0% to 95% RH non-condensing
Ingress protection	IP20
Weight	130 g

Standards and compliance

The LCD Touch Switch is designed to meet/exceed the following Australian and International standards.

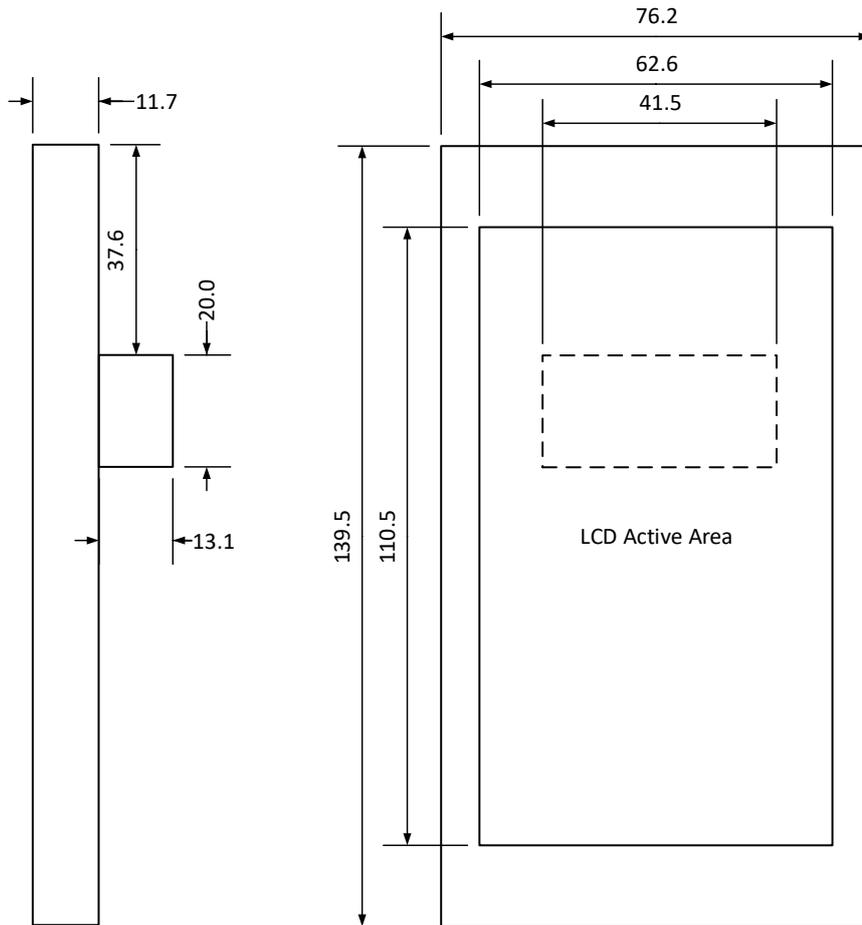
AS/NZ CISPR 22, CISPR 15

2014/35/EU Low Voltage

2014/30/EU Electromagnetic Compatibility (EMC)

2015/863 Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment

Dimensions



Product warranty

This product has a TWO YEAR warranty against manufacturing defects. The warranty applies from the date of purchase.

Refer to [ozuno.com](https://www.ozuno.com) for the full conditions for warranty and returns process. A summary of the process:

1. Contact the seller of the goods, or in their absence contact Ozuno to request a return goods authorisation.
2. When a return is authorised, the goods must be returned to Ozuno at the owner's expense for technical evaluation.
3. The warranty claim will be evaluated by Ozuno and accepted if the goods are found to be faulty, or rejected if the fault was caused by conditions beyond the responsibility of Ozuno. Considerations of installation, removal, return, freight and testing are not the responsibility of Ozuno.

The Australian Consumer Law requires the inclusion of the following statement with this Warranty:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



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