RAPIX 5” LCD Touch Switch

Connects directly to a RAPIX eHub smart input

DATA SHEET

Order Code	Black Surround:	DGOZ-TCSW-LR50-BK
	White Surround:	DGOZ-TCSW-LR50-WH

Overview

The LCD Touch Switch provides a wall mounted control interface for the RAPIX Lighting Control System. The switch is fully configurable using RAPIX Integrator software, allowing between 1 and 20 touch-based buttons (over 4 pages). Buttons can show descriptive text and 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.

The switch includes a mounting bracket, suitable for mounting to many wall types.

Features

- 5” colour LCD with capacitive touch.
- Up to 20 software configurable control buttons.
- Supports date and time display.
- Optional beep when touched.
- Customisable button text with Unicode support.
- Can 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 user-defined logo.
- Supports 6 common languages (English, French, German, Italian, Spanish and Simplified Chinese)
- Configurable screen brightness and automatic brightness control based on timeout after a touch.
- Proximity sensing for automatic brightness control and change from the fallback page to showing buttons.

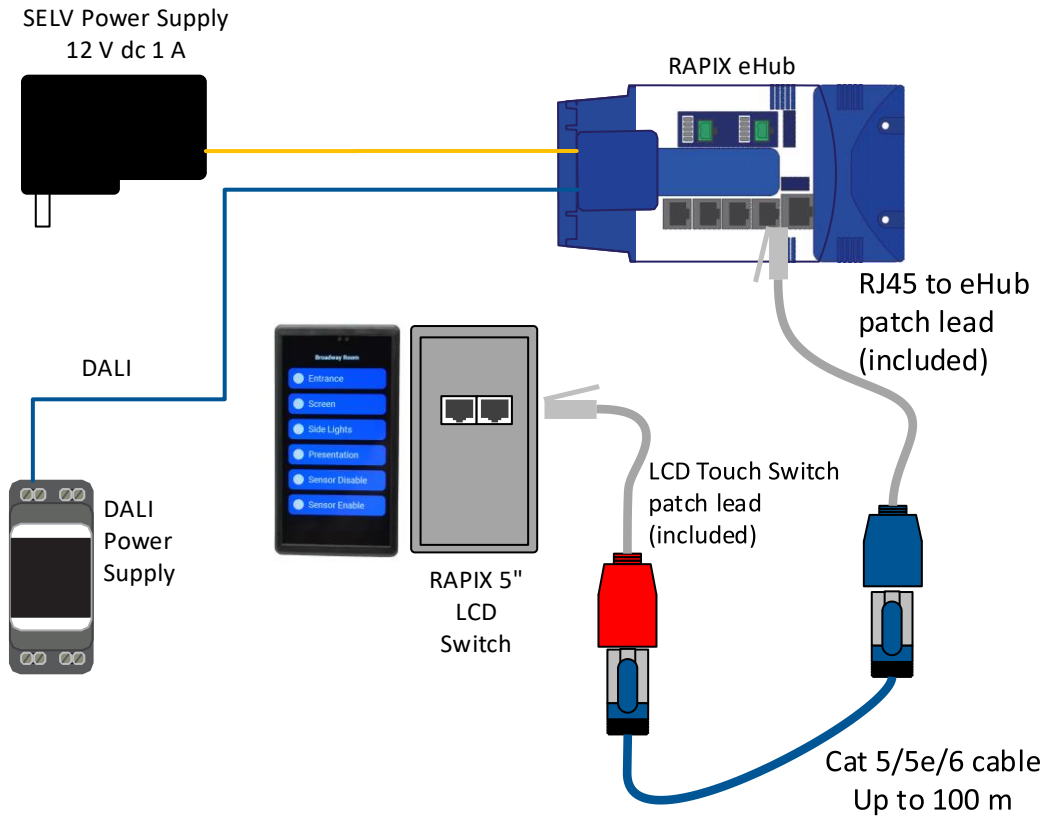
Typical Applications

Commercial & industrial buildings, education facilities, health care facilities, hotels, art galleries, meeting rooms, residential buildings.

Configuration

RAPIX Addressing and RAPIX Integrator software allow selection of user interface options (beep on touch, fallback page, etc) as well as visual presentation themes.

Connections & Wiring



Interconnect Wiring Type

The red touch switch lead includes adaptor electronics and must be used.

Patch cables to the eHub can be off-the-shelf or made using Cat 5 / 5e / 6 cable. Other multi-core cable types (eg security cable) are also suitable.

Mounting

A surface mounting bracket is included, suitable for use with plasterboard, wood, metal, plastic, concrete, etc. A 45 mm diameter hole must be drilled in the wall to allow the cable connection. Mounting details are shown in the installation guide.

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 & Compliance

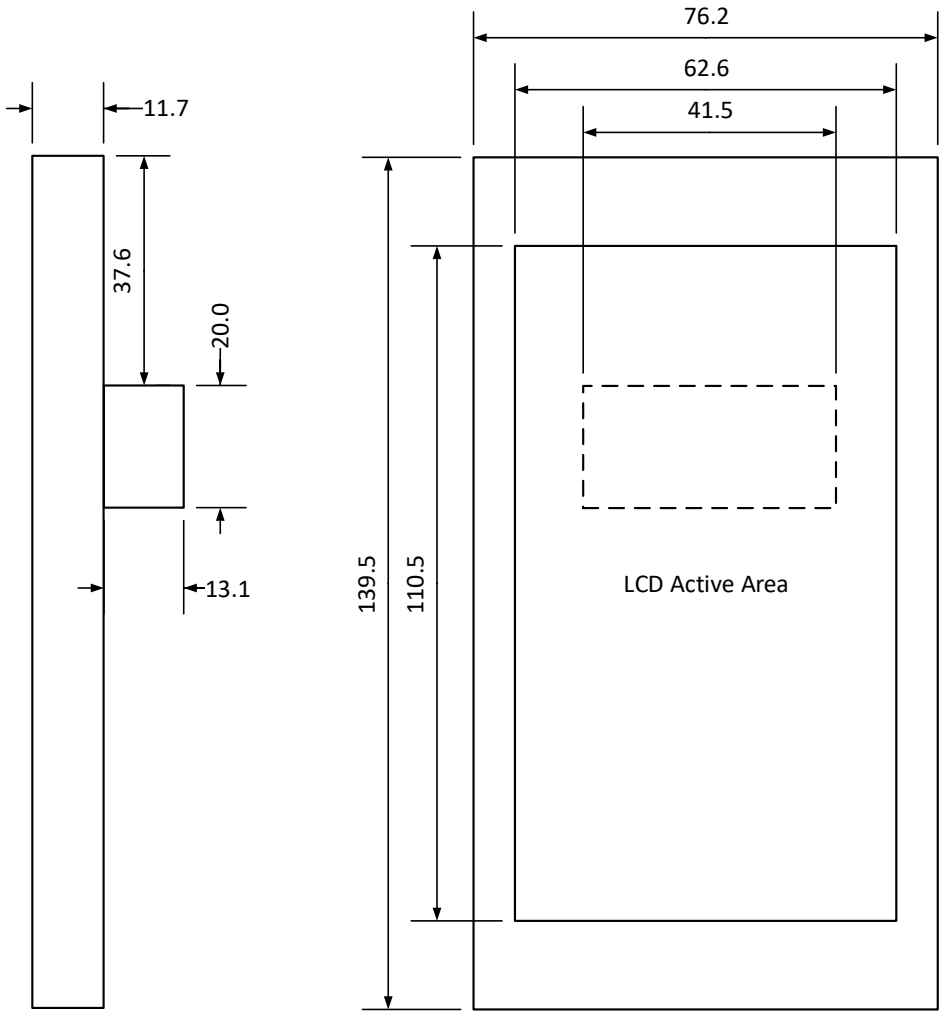
AS/NZ CISPR 22
CISPR 15

EC Council Directives

2014/35/EU Low Voltage
2014/30/EU Electromagnetic Compatibility (EMC)
2015/863 Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment

IP20 CE RoHS COMPLIANT

Dimensions



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This product includes a **TWO-YEAR WARRANTY** against manufacturing defects.

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