
Lantic YCS-KP1 wall keypad with OLED display.

Purpose

This document describes the YCS-KP1 OLED display.

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1 Features:

- Controlling lights, Air-condition, Blinds and Entertainment volume.
- Rotation of display and button functions. (For comfortable operation depending on placement).
- Setting up address/node via secret menu.

2 Configuration limitations per KP1 panel:

- Air-condition zones 1 (Configurable to control one of three individual zones)
- Light zones 12 (All menus and buttons are utilized)
- Blind/Lifts 4 (Located in sub menu)
- Volume zones 1 (Configurable to control any zone for one Entertainment centre)

3 Technical specifications:

Lantic link:

Communicating with YCS-Server, Curtain relay (YCS-RL-4-CU) and Quad relay (YCS-RL-4). Firmware and configuration upload from PC tool.
Up to 10 x YCS-KP1 keypads on one Lantic link.

Display:

Up to 7 characters per line to describe button functionality.
OLED 64 x 256 Pixels graphical display.
Color: Black background and bright blue characters.
Dimmed automatically to a pre-defined brightness, 5 Sec. after last user operation.
At next key operation the brightness will be full On, until the next 5 Sec. timeout

Power supply: 10-30V DC. (via Lantic link)

Power consumption: ~ 0.7W.

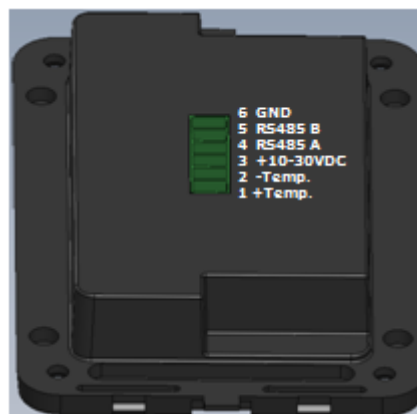
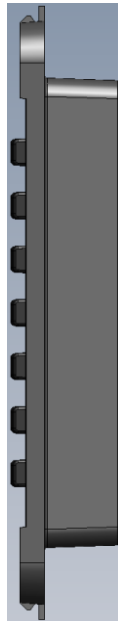
Ambient temperature: < 35 °C.

Weight: ~ 0.1 kg. (Excl. front cover frame)

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4 Mechanical dimensions

Front cover frame:	Designed to fit VIMAR's Idea series or Lantic custom frames.
Dimensions:	75 x 117 x 19 mm. (WxHxD) (Front without cover frame.)
Wall cut out:	55 x 91 x 15 mm. (WxHxD) +15mm. +15 mm. extra depth for connector and wire.
Mounting hole distance:	60 x 97 mm. (WxH) Ø. 4mm.

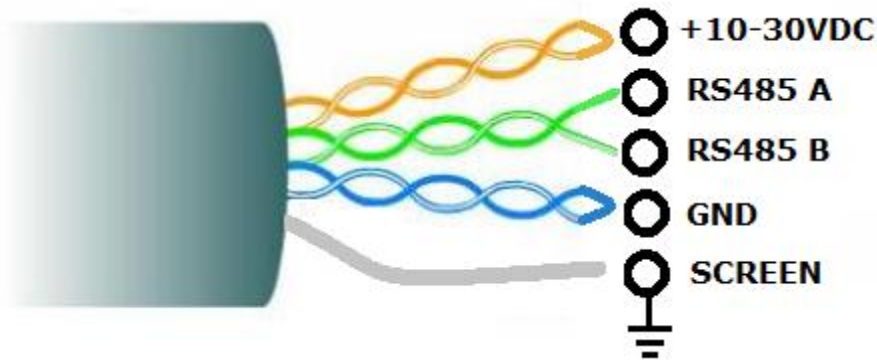


Front cover frame:	Designed to fit VIMAR's Eikon Evo series or Eikon Clasic frames.
Dimensions:	75 x 109 x 19 mm. (WxHxD) (Front without cover frame.)
Wall cut out:	66 x 91 x 15 mm. (WxHxD) +15mm. +15 mm. extra depth for connector and wire.
Mounting hole distance:	60 x 97 mm. (WxH) Ø. 4mm.

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5 Recommended wiring

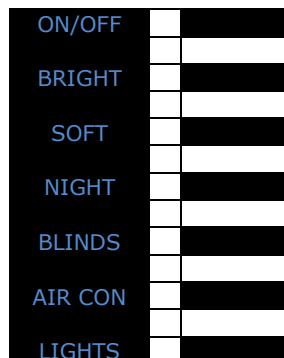
- Cable type: Screened twisted pair.
- Maximum length: 100 meters between YCS Server and the last unit on the link.
- Termination resistor: 120ohm resistor between RS485 A and RS485 B on the last unit on the link (OLED or relay YCS-RL).
- Connection: As picture below. Connect screen to earth/GND on the YCS server side and leave it unconnected on the remaining units on the link (OLED's and relays YCS-RL).



6 Examples of configurations

The OLED KP1 can be freely configured to match the needs for the user. The user manual "UM_OLED_KP1_x.x" describes in details the functionalities of the KP1.

Example of a main page on the OLED panel.



Example of an air-condition page on the OLED panel.

