60601-1121-XX-0C /-07/-12/-16/-17 Largho R6LCD/R8LCD/R10LCD/R12LCD

1. General usage

KNX control panels of the IPAS Largho R-X LCD product range can be used for all standard switch and configuration functions via the KNX bus. The functions switching, dimming, value setting, blinds and sun protection, fan levels, and much more can be implemented with 6, 8, 10 and 12 buttons.

Largho type R-X LCD are control panels with integrated room temperature regulator and LCD display. The measured value becomes available as an object on the KNX bus.

Front view Largho R8 LCD

In cutouts with a material thickness of 2-4 mm, our control panels are simply clamped in the cutout. The clamping springs attached to the housing fix the panel in the mounting cutout. For installation in drywall or for flush mounting IPAS provides corresponding installation boxes.

The KNX bus coupler is directly integrated into the device. A standard bus terminal is used for the connection. Programming LEDs and programming buttons are accessible on the back of the panel.

2. Device types and accessories

The following Largho R-X LCD devices and accessories are available:

Product: Largho R6 LCD
Order no.: 60601-1121-07-0C

Product: Largho R8 LCD
Order no.: 60601-1121-12-0C

Product: Largho R10 LCD
Order no.: 60601-1121-16-0C

Product: Largho R12 LCD
Order no.: 60601-1121-17-0C

Product: Universal wall box for Largho
Order no.: 60601-191-11

3. Scope of delivery

The following individual components are part of the Largho R LCD delivery package:
Complete device with plugged in bus connector (KNX, black/red), operating and mounting instructions

4. Application program

The following application programs are currently available: *IPAS_PBP.pr3*
For application program functions please see the application program description.

5. Installation advice

- The device must only be installed and commissioned by an accredited electrical engineer.
- Please follow country-specific safety and accident prevention rules!
- The device is intended for interior installation in dry rooms.
- For the installation the device must be switched to zero potential.
- Do not open the device! Faulty devices must be returned to the manufacturer.
- Please follow country-specific rules and regulations for the planning and construction of electrical installations.

6. Technical data

Power supply

- 24 V DC via KNX Bus

Control elements

- Depending on the model, 6,8,10 or 12 buttons are available for the control of KNX functions.
- Programming button to toggle between normal and addressing mode

Display elements

- 7 LEDs arranged in a row indicate the set point adjustment and operating mode of the controller
- Red LED to display normal / addressing mode

Connectors

- Bus line: Bus connector KNX (black-red)

Temperature sensor

- Integrated NTC sensor
- Temperature measurement range 5 to 45°C

Mechanical data

- Casing: Metal/Plastic
  Dimensions: depending on the model
- Length: 200 mm (Largho LCD R6, R8)
  230 mm (Largho LCD R10,R12)
- Width: 80 mm
- Height: 32 mm
- Weight: depending on the model
- Mounting: clamped in the cutout or using an universal wall box

Electrical safety

- Pollution class: 2
- Protection type:
  (according to EN 60529) IP20
- Protection class:
  (according to IEC 1140) I
- Over voltage category: III
- Bus: Separated extra low voltage SELV DC24V

EMV requirements

- Complies with EN 50090-2-2 and EN 61000-6-2:2005, EN 61000-6-3:2007

Environmental conditions

- Environmental conditions during operation: -5°C to +45°C
- Storage temperature: -25°C to +70°C
- Rel. humidity (non-condensing): 5 % - 93 %

Approbation

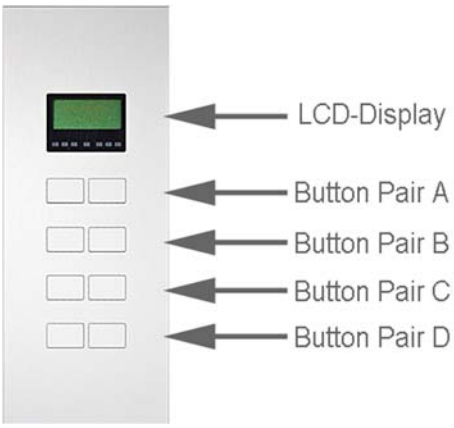
- EIB/KNX not registered

CE-Signage

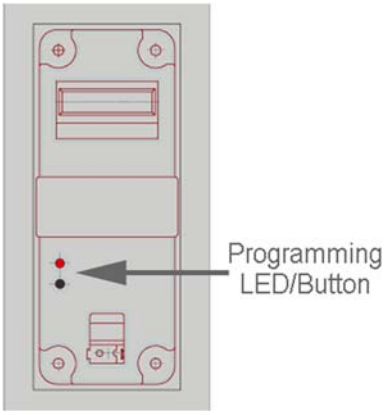
- According to EMC guidelines (residential and commercial buildings), low voltage guidelines

7. Location and function of the display and control elements

Control elements:

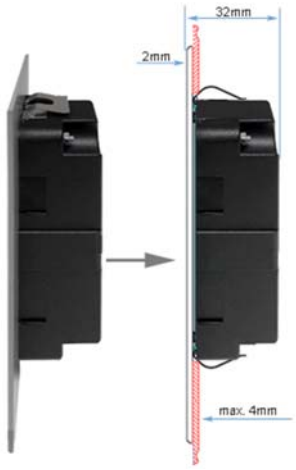


Programming button and programming LED:



8. Mounting in cutouts

In cutouts with a material thickness of 2-4 mm, our control panels are simply clamped in the cutout. The clamping springs attached to the housing fix the panel in the mounting cutout.



9. Mounting in installation boxes

Before the device is mounted onto a flush-mounting box, the bus cable has to be connected to the bus terminal and plugged into the rear of the device. Please remember to now assign the physical address of the KNX participant. Once the device has been mounted, the programming button and programming LED that are needed to assign the address are no longer accessible.