



HYPERTOUCH

EMOTIONAL SURFACES

A BRAND OF  BRES CERAMICA GROUP

KIT DALI - LPT092

Installation/programming procedure

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KIT COMPOSITION

1. **n.1 BX-ICG02 4XIO** knx universal interface
2. **n.1 BX-ICG02** capacitive sensor spring
3. **n.1 BXICG-B640** knx power supply 640mA
4. **n.1 BXICG-DALI** gateway KNX-DALI

The kit is used to manage a LED* luminaire control system on a bus with DALI protocol. The kit is designed to be easily adapted to the system needs, and can manage three different configurations:

1.

COMPLETE CONFIGURATION

Two groups of maximum 16 DALI drivers each, controllable independently from two separate controls (spring A and B/ceramic surface).

It requires a configuration procedure called **COMPLETE** using **KNX** and **DALI STANDARD WIRING**.

2.

COMPLETE CONFIGURATION WITH MODIFIED WIRING

A single unit of maximum 32 DALI drivers controllable from a single point (spring A/ceramic surface). The so named **COMPLETE** configuration procedure is required but with **MODIFIED WIRING** (fig. a) to obtain a single command by spring A of all 32 DALI drivers, using both inlets on the **BXICG-4XIO** interface from a single point.

3.

SIMPLIFIED CONFIGURATION

A single group of maximum 16 DALI drivers controllable from a single point (spring A/ceramic surface). The **SIMPLIFIED** configuration procedure is required with **STANDARD KNX** and **DALI WIRING**.

Installation and configuration procedures:

1.

COMPLETE CONFIGURATION

1. Divide the DALI luminaires into two groups/segments in separate lines representing the two separate areas to be lit and controlled from the respective **spring A** and **spring B**. These groups can then be controlled independently from each other.

2. Install the **DALI gateway** in the system, connecting the **230VAC** power supply (fig. a_7) and the **KNX bus** (fig. a_6) arriving from the power supply.

3. Connect the **DALI line** of the **BXICG-DALI** (fig. a_1) to the first group (max 16 DALI drivers), making sure that the **DALI drivers** are correctly powered by the **230V DC** mains.

4. Switch on the power to the **KNX system** and the light and **DALI gateway** mains power.

5. On the **BXICG-DALI**, press and hold down (at least 5 seconds) the **DALI button** (fig. a_2); the green **DALI LED**

(fig. a_3) will start to flash quickly.

6. Wait for the **green LED** to stop flashing, this may take up to 6 minutes. When it stops flashing, the **green LED** must remain **ON**.

7. Now connect the luminaires belonging to the second group to the same **DALI line** (max 16 DALI drivers).

8. Press and hold down (at least 5 seconds) the **KNX button** (fig. a_4); the **green DALI LED** (fig. a_3) will start to flash quickly.

9. Wait for the **green LED** to stop flashing, this may take up to 6 minutes. When it stops flashing, the **green LED** must remain **ON**.

10. Press and release (short press) the **DALI button** (fig. a_2); the **green DALI LED** will flash slowly.

11. Wait for the **green LED** to stop flashing, this may take up to 6 minutes.

12. From the **Hypertouch controls**, an on-off control is recommended, then proceeding with the dimmer controls (this operation will cancel any errors on the DALI drivers).

2.

COMPLETE CONFIGURATION WITH MODIFIED WIRING

1. Complete the steps of the **COMPLETE CONFIGURATION** procedure from point 1 to 11.

2. Modify the wiring as shown in fig. b, connecting the **yellow wire** to the **blue wire** from the interface side.

3. For the **Hypertouch controls**, an on-off control is recommended, then proceeding with the dimmer controls (this operation will cancel any errors on the DALI drivers).

3.

SIMPLIFIED CONFIGURATION

(max 16 DALI power supplies)

1. In this configuration there is only one **DALI bus line** for max 16 DALI drivers. It is controlled by **spring A**. Spring B is not used.

2. Install the **DALI gateway** in the system, connecting the **230 VAC** power supply (fig. a_7) and the **KNX bus** (fig. a_6) arriving from the power supply.

3. Connect the **DALI line** at **BXICG-DALI** (fig. a_1) to all the **LED lights** (max 16 DALI drivers), making sure that the **DALI**

* The luminaires managed are exclusively with LED technology

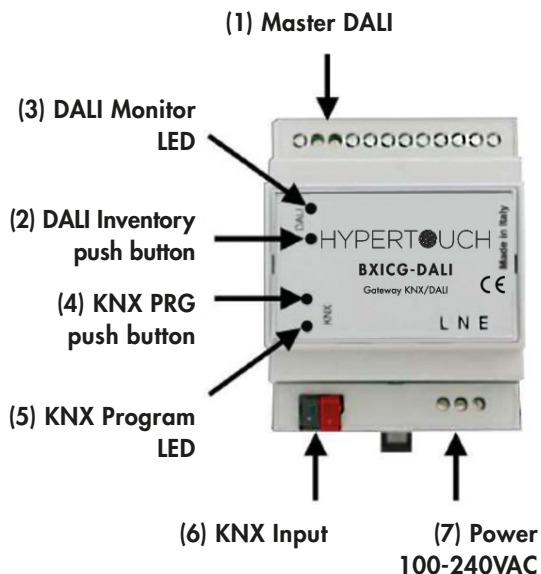


fig. a

drivers are correctly powered.

4. Switch on the power to the KNX system and the lights, and DALI gateway mains power.

5. On the BXICG-DALI, press and hold down (at least 5 seconds) the DALI button (fig. a_2).

6. Wait for the green LED to stop flashing, this may take up to 6 minutes. When it stops flashing, the green LED must remain ON.

7. Press and release (short press) the DALI button (fig. a_2); the green DALI LED will flash slowly.

8. Wait for the green LED to stop flashing, this may take up to 6 minutes.

9. From the Hypertouch controls, an on-off control is recommended, then proceeding with the dimmer controls (this operation will cancel any errors on the DALI drivers).

Type of wiring used:

STANDARD

The connection between the spring circuit and the BXICG-4XIO device uses the standard cable supplied (see diagrams).

MODIFIED

Use a single control wire from the spring circuit (blue) and split it on the two inlets on the BXICG-4XIO (blue and yellow joined). See diagrams in fig. b.

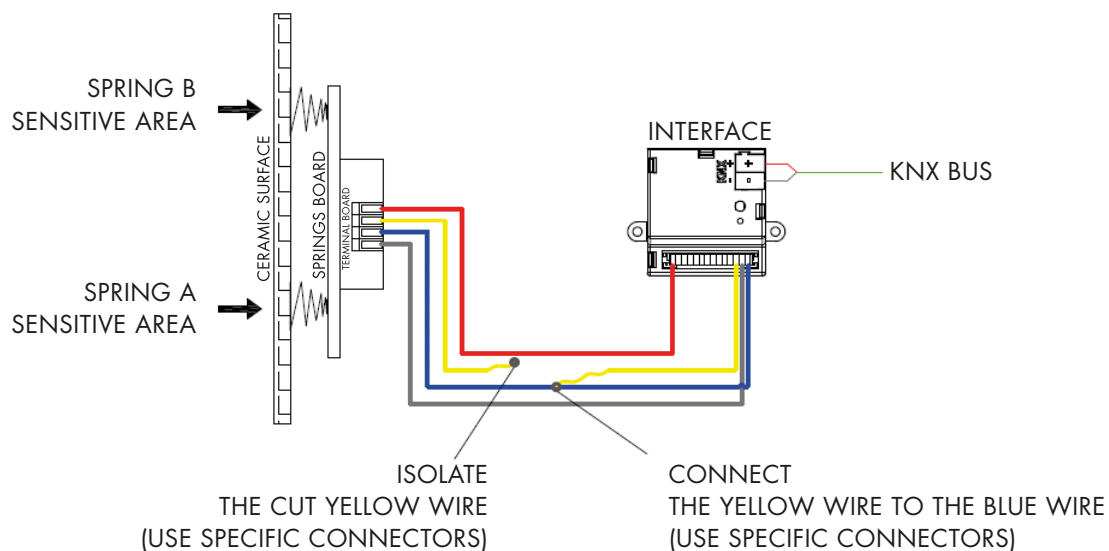
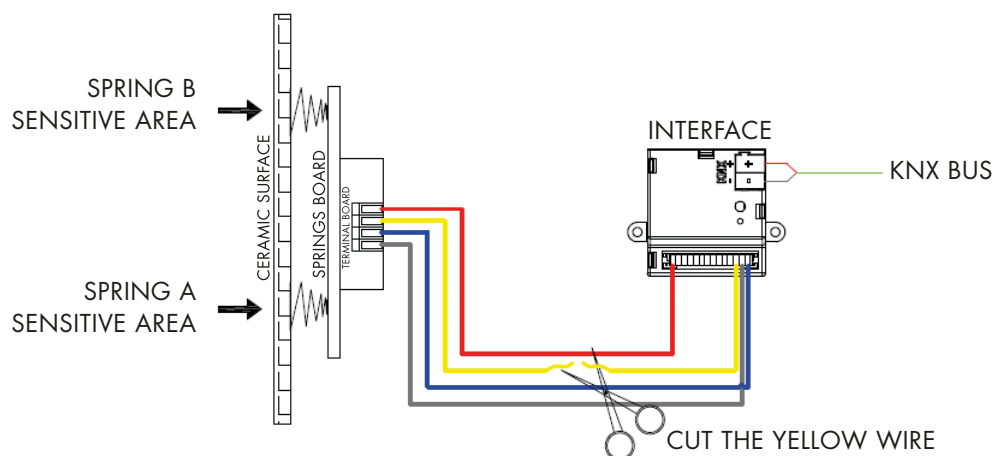


fig. b