

## EXTERNAL DIMMING OPTIONS

As standard, the products listed below come with a touch dimmer button placed on the lamp body:

- I MODEL cord and cordless version
- DIVAR
- T MODEL
- F MODEL
- X MODEL
- Y MODEL

Anour products are compatible with different external dimming systems. If you would like one of the below options, please make a note of it in your purchase order.

1. DALI
2. PUSH DIM
3. 1-10 Volt
4. CASAMBI
5. TRIAC

Below is an explanation of the differences between the types of dimming controls to help you choose the option that best suits your requirements. We advise to always **consult an electrician** prior to order.

### **1. DALI**

As revealed by the meaning of its acronym, Digital Addressable Lighting Interface, DALI is a digital and addressable communication interface for lighting systems.

This is an international standard system in accordance with IEC 62386, which ensures compatibility and interchangeability between different manufacturers' equipment marked with the following logo: DALI controller

### **2. PUSH DIM (Switch Dim, Analogue)**

Push dim is a system that enables the simple and economic dimming of luminous flux. It uses the mains voltage as a control signal, applying it with a standard push button on a control line, without any need for specific controllers.

The Touch Control system enables you to carry out the basic functions of a regulation system with a power-free pushbutton. Depending on how long the button is pressed it is possible to switch the light on or off or dim it. Switching the light on or off is done by short, sharp pressing or "click". If the button is pressed for a long time it is possible to dim the luminous flux between the maximum and minimum levels alternately.

This is a unidirectional interface, i.e. information flows in one direction. The equipment does not generate any type of feedback, so it can't be controlled with a software. Groups have to be created by wiring. This system cannot be integrated into building control systems.

The switch operation is the same with Secondary PUSH dimming but the supply to the switch comes from and returns to the driver via the retractive switch, usually at a reduced voltage. PUSH dimming may also be called Switch DIM.

### **3. 1-10volt**

The 1-10V system enables dimming of the luminous flux from around 1...10% to 100%. This is done by sending an analogue signal to the equipment over an additional, two-wire control line. These control wires have positive and negative polarities respectively and that must be kept in mind when wiring up the system.

The analogue signal has a direct voltage value of 1V to 10V. 1V or short-circuiting the fixture's input control gives the minimum light level. While 10V or leaving the input control circuit open gives out the maximum light level.

### **4. CASAMBI**

Bluetooth Low Energy lighting control platform.

Controller options (additional fee) :

- App
- Remote
- Push button interface

<https://casambi.com>

### **5. TRIAC**

TRIAC is often referred to as Phase-cut dimming, which is the most common dimming control. With this option, it is possible to dim the lamp just like an old fashion 230V light bulb.

The driver works by varying the amount of power that is sent to the light source from what amount of voltage goes into the driver.

The 230V dimmer on the wall is not included, but we have tested the driver with the Danish LK FUGA slider, which is the most common one in Denmark.