Mechanical Control

# CT454020 v1.3

www.besknx.com

## General description

CT4540X0 is an adaptor for mechanical controls to KNX. This device has 4 digital low voltage inputs (SELV) referred to an internal reference to connect conventional pushbuttons or switches.

This input device is designed to be installed in mechanism boxes, behind the mechanisms, being especially useful to distribute the installation and to execute different events through the KNX bus.

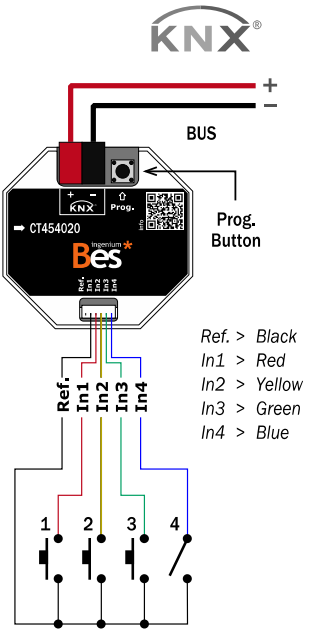
## Features

- 4 digital inputs being possible to program KNX bus events for activation or deactivation of each.
- Programmable inputs to work with switches or push-buttons.
- Each input can work independently or simultaneously in different modes: binary inputs, shutter/blinds or dimmer inputs.

## Technical information

| | |
|---|---|
| **KNX supply** | 29V DC from auxiliary power supply or KNX BUS |
| **Consumption** (depending on source) | 10mA from KNX BUS |
| **Dimensions** | 45 x 45 x 10mm |
| **Mounting** | Built-in on universal distribution box. |
| **Connections** | KNX connecting terminal bus. Micro-quick connector inputs. |
| **Inputs** | 4 low voltage inputs (SELV) referred to an internal reference (minimum activation current 15mA) |
| **Max cabled distance** | 30 meters |
| **Environment temperature range** | Operation: -10º to 55ºC<br>Storage: -30º a 60ºC<br>Transportation: -30º to 60ºC |
| **Regulation** | According to the directives of electromagnetic compatibility and low voltage. EN 50090-2-2 / UNE-EN 61000-6-3:2007 / UNE-EN 61000-6-1:2007 / UNE-EN 61010-1 |

## Installation




## Remarks

- Feed low voltage lines (KNX bus and inputs) in separate ducting to that of power (230V) and outputs to ensure there is enough insulation and avoid interferences.
- Do not connect the main voltages (230V) or any other external voltages to any point of the KNX bus or inputs.

## Info

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