

## General description

CT416440 is an on/off actuator composed of 4 potential-free relay outputs (dry contact) and 6 low voltage inputs (SELV) referred to an internal reference to connect conventional pushbuttons or switches. Besides, manual control is added in order to test the outputs and LED indicators for the status and selection of them. Each output could work independently or simultaneously in different modes: binary outputs, blinds, thermo-valves or Fan-coil. Two arrows allow to move between the different LEDs referred to the corresponding output. LEDs blink while signaling the output, but when on or off button is pressed, the led stops blinking indicating the status of the output. On/off buttons open/close the outputs relay. Each output could work independently or simultaneously in different modes: binary outputs, blinds, fan-coils or thermo-valves. It also has up to 8 arithmetic and logic units (UAL), as well as up to 8 timers/counters that allow programming complex logic operations, timings, counters, etc. Using internal or external variables.

## Characteristics

- Its 4 outputs allow to control 4 on/off electrical circuits, 2 blinds (2 outputs for one blind motor: up phase and down phase), or 1 Fan-coil. The cut off capacity is 16A@230Vac / potential-free relay output. If necessary, insert a contactor to control higher power circuits.
- 6 low voltage inputs (SELV) referred to internal reference.
- Four capacitive push-buttons for manual control of the outputs.

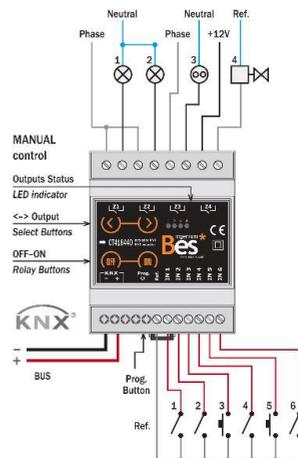
## Technical information

<b>Supply</b>	29V <sub>DC</sub> from KNX BUS
<b>Consumption</b>	10 mA from KNX BUS Equivalent to 2 BUS devices*
<b>Mounting / size</b>	DIN rail / 4 modules
<b>Connections</b>	KNX connecting terminal bus. Screw terminal block for inputs and outputs.
<b>Inputs</b>	6 low voltage inputs (SELV) referred to an internal reference (minimum activation current 5mA). 4 capacitive push-buttons for manual control of the outputs.
<b>Outputs</b>	4 digital outputs (potential-free relay) 16A@230Vac cut-off capacity

	4 Led indicators on the cover.
<b>Breaking power</b>	16A @ 230V <sub>AC</sub>
<b>Environment temperature range</b>	Operation: from -10°C to 55°C / Storage: from -30°C to 60°C / Transportation: from -30°C to 60°C
<b>Regulation</b>	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

\*1 BUS device = 5mA

## Installation



## Observations

Install low voltage lines (KNX bus and inputs) in a ducting separated from the power (230V) and outputs lines ducting 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.

## QR Code

