



# Corlo M-T

## Rocker switch

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### Technical specifications and installation instructions

Corlo M1-T, item numbers 70282 (white/chrome glossy), 70283 (black/chrome glossy), 70284 (white/chrome matt), 70285 (black/chrome matt), 70338 (white/white matt), 70339 (black/black matt).  
Corlo M2-T, item numbers 70286 (white/chrome glossy), 70287 (black/chrome glossy), 70288 (white/chrome matt), 70289 (black/chrome matt), 70340 (white/white matt), 70341 (black/black matt).



Supplied without frame.



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# 1. Description

The **Single switch Corlo M1-T** and the **Double switch Corlo M2-T** are mechanical switches for the Corlo system. A sensor for measuring the room temperature is integrated into both switches.

The switch contacts and the temperature sensor output may be used for the conventional installation and, for example, relay controls and PLC. The temperature contact is also ideally suited for a connection to the Corlo Touch KNX display.

## Functions:

- Corlo M1-T: Single rocker switch  
Corlo M2-T: Double rocker switch
- Integrated temperature sensor T-NTC

## 1.1. Deliverables

- Switch unit
- Connection line

You *also* need (not included in deliverables):

- Corlo frame (available as a single, dual, or triple frame)

## 1.2. Technical specifications

Material	Glass: Real glass, tempered, Edges: chromed zinc die-casting, Housing: Plastic
Colours	<ul style="list-style-type: none"> <li>• White glass, chromed glossy edge</li> <li>• White glass, chromed matt edge</li> <li>• Black glass, chromed glossy edge</li> <li>• Black glass, chromed matt edge</li> <li>• White glass, white matt edge</li> <li>• Black glass, black matt edge</li> <li>• Other colours on request (see <i>Colours for edges and frame, Seite 3</i>)</li> </ul>
Assembly	Flush mounting (wall mounting in connector socket Ø 60 mm)
Dimensions	Housing in total approx. 80 × 71 × 49 (W × H × D, mm), Mounting depth approx. 12.5 mm
Weight	Switch unit approx. 85 g, single frame approx. 75 g, Dual frame approx 95 g, triple frame approx. 115 g
Ambient temperature	Operation -10...+50°C, storage -20...+60°C
Ambient humidity	max. 95% RH, avoid condensation
Temperature sensor: Measurement range	-35...+100°C



## 2.2. Assembly

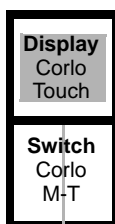
### 2.2.1. Assembly site and assembly preparations



**The switch must only be installed and operated in dry, indoor spaces. Avoid condensation.**

The standard assembly height for switches is 110 cm above the ground. The **Corlo M-T switch** is installed in a normal switch box with a **Corlo frame**. When using a dual or triple frame, two or three sockets with a separation of 71 mm must be placed accordingly. The frames must be installed vertically.

If the **KNX Display Corlo Touch** and the **Switch Corlo M-T** are assembled in a frame, the display must be placed at the very top. This ensures that the temperature measuring in the switch is not influenced by the heat given off by the display.



III. 1

✓ *Display installed above the switch.*

#### **Overall dimensions with frame:**

Single, approx. 80 mm x 81 mm (W x H),

Dual, approx. 80 mm x 153 mm (W x H),

Triple, approx. 80 mm x 224 mm (W x H),

Mounting depth approx. 12.5 mm

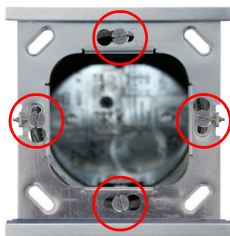
### 2.2.2. Assembly of frame and switch

The instructions show installation of the switch with a single frame. Dual and triple frames are installed accordingly.

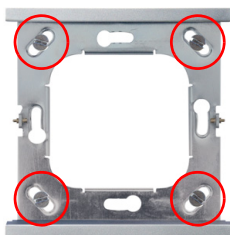


III. 2

*A socket box with 4 screw bosses facilitates installation.*

**III. 3**

Bolt the Corlo frame on to the box. Two screws (right/left or top/bottom) are sufficient.

**III. 4**

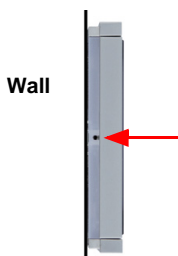
If the screw domes of the box used are not covered with the frame's longitudinal holes, the frame can alternatively be bolted via the four outside holes (e.g. for boxes from Swiss systems or other installation systems).

Connect the switch via the connection lead provided.

**III. 5**

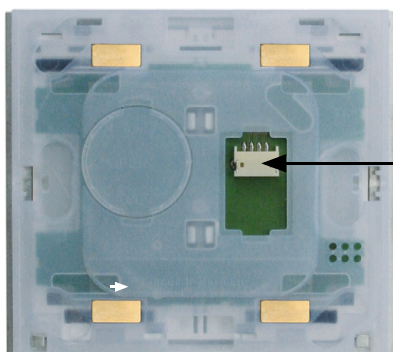
The switch unit can now be put in place. The movable operation range of the rocket switch(es) must be facing down.

The switch unit engages on the right and left sides and is also held by magnets.

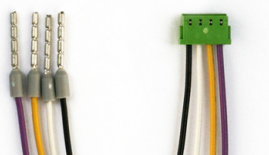
**III. 6**

To remove the display unit from the frame, press one of the recessed snaplock connections on the side of the switch with a sharp instrument. Now you can pull the switch forward on the unlocked side and remove it.

### 2.2.3. View of housing from rear



connection socket



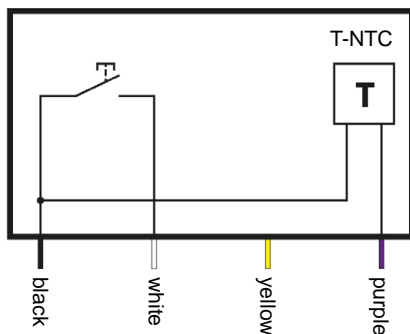
Cable length approx. 300 mm

The options of extension for the wired connection depend on the system. Examples for connections with Elsner Elektronik devices:

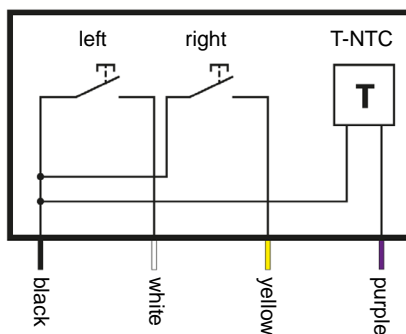
Device	Function	Cable length
KNX-Display Corlo Touch KNX	Switch contact	max. 10 m
KNX-Display Corlo Touch KNX	Temperature sensor	max. 10 m
Temperature evaluation unit KNX T6-UN-B4	Temperature sensor	max. 10 m
KNX B4-UP button interface	Switch contact	max. 10 m
Motor control unit IMSG-UC-2/4H	Switch contact	max. 100 m
Motor control unit MSG1-UP	Switch contact	max. 100 m

## 2.2.4. Contact assignment

### Corlo M1-T:



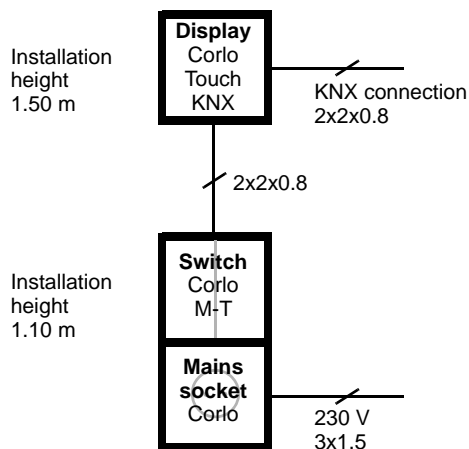
### Corlo M2-T:



Cable	Connector Corlo M1-T	Connector Corlo M2-T
black	depends on the application (Corlo Touch KNX: GND)	depends on the application (Corlo Touch KNX: GND)
white	Rocker	Rocker left
yellow	not used	Rocker right
purple	NTC (temperatur output)	NTC (temperatur output)

## 2.2.5. Installation examples

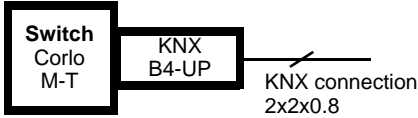
### Corlo system: KNX display, switch M-T, mains socket



### ***Insertion into the KNX system via a switch interface KNX B4-UP***

(switch contacts only)

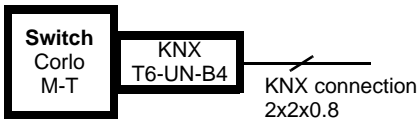
In the UP socket of the switch:  
switch interface



### ***Insertion into the KNX system via analogue/digital inputs of the temperature evaluation unit KNX T6-UN-B4***

(switch contacts and temperature sensor)

In the UP socket of the switch:  
Temperature evaluation unit



## **2.3. Instructions for assembly and initial start-up**

Never expose the sensor to water (e.g. rain) or dust. This can damage the electronics. You must not exceed a relative air humidity of 95%. Avoid condensation.

## **3. Maintenance and care**

Fingerprints on the glass area and frame are best removed with a cloth moistened with water or a microfibre cloth. Do not use an abrasive cleaning agent or aggressive cleansing agents.