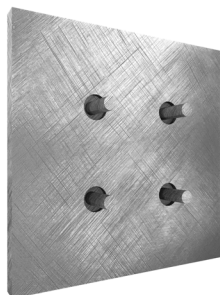


TENSE



KNX_VELFA4

SPECIFICATIONS

Power supply: **min. 21 V DC. max 31 V DC.** supplied by the KNX bus line

Maximum power consumption: 1F/2F/4F: **120mW**

Connection to bus: **2 x 1 mm pins for bus connecting terminal (TP1)**,
0.5mm² section

Operating temperatures: **-5 °C to +45 °C**

Maximum humidity: **93%** relative humidity, no moisture condensation

Type of protection (EN 60529): **IP20** (with front plate mounted)

Dimensions 1F, 2F, 4F: METAL: **84 x 84 x 6 mm + toggle 10 mm**

INSTALLATION INSTRUCTIONS:

1. **Remove power** from the KNX bus.
2. Connect the bus coupler with the KNX bus using the KNX TP1 bus connection terminal.
3. Connect the **red bus wire** to the red terminal (+) and the **black bus wire** to the black terminal(-).
4. Remove the front.
5. The bus coupler fits in a **standard size wallbox**. Use two flat headed screws to **fix the bus coupler**. Make sure the mounting is level and that the "TOP ↑" marking on the PCB points upwards.
6. **Re-power** the KNX bus.
7. Press the programming button. Make sure the **red programming LED** lights up.
8. In ETS, add the device and **assign the physical address**.
9. **Program** the physical address. Make sure the red programming LED turns off.
10. **Plug the front** onto the bus coupler. Make sure that the "TOP ↑" marking on the PCB (backside of the front) points upwards.
11. In ETS, select the appropriate parameters and **assign the group addresses**.
12. **Download** the application program to the device.

VELOCITY SERIES

The **Velocity** of Tense is a **toggle switch** with **integrated temperature sensor with correction**. With this internal temperature sensor (or using an external one), the integrated thermostat (PI and 2point - switching) can be used to **control the room temperature**.

Depending on the type of front plate the Velocity has 1, 2 or 4 toggles without individual RGB LED feedback.

The Velocity's function and behaviour is **programmable** by setting the appropriate parameters in **ETS**. It supports **switching, dimming and setting scenes** for up to four selectable output blocks. Additionally it also has a **scene module, programmable logic ports, timer and up/down counter** functionality.

The Velocity can be installed on a regular **single British or European square or round wallbox**. The switch is **surface mount**, but **can be made 100% recessed** with the Trimless Wallbox delivered by Xillo®.

The **functions** of the **VELOCITY** series are:

- **Switch** or Send **1 or 2 Byte values** on
 - Short Push
 - Short and Long Push
 - Positive / Negative Edges
 - Multi-push (pushing at least 2 buttons)
- **Dimming**
 - Up
 - Down
 - Up / Down
- **Recalling Scenes**
 - 1-64 scenes can be called
- **Shutter / Blind Control** (using 1 or 2 buttons), with predefined operation concepts: Up/Down, Up, Down:
 - Short Push: start / Long Push: stop
 - Short Push: start / Short Push: stop
 - Single Push

ACCESSORIES:

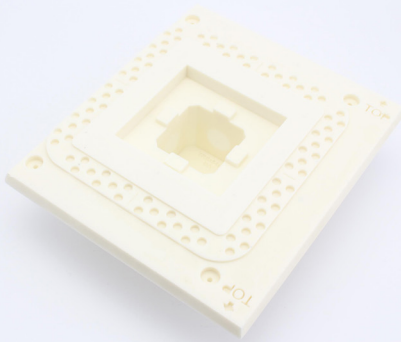
The Velocity can be completed by using accessories.

TRIMLESS WALLBOX

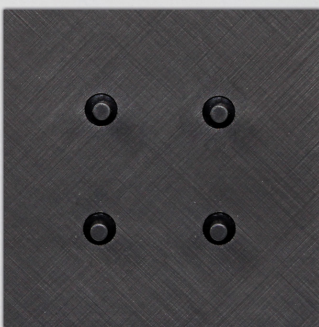
TRIM_SWITCHMCWINV124_BC (brick or concrete/metal)
TRIM_SWITCHMCWINV124_P (plasterboard/metal)

The switch is surface mount, but can be **made 100% recessed** with the **Trimless Wallbox** delivered by Xillo®. The fixture is in one piece and completely made of the **solid patented composite**, so no need for an extra mounting kit. Easily install this wallbox in the wall thanks to the **pre-drilled holes**. The unique layered design and the **handy indicators for laser positioning**, make sure that every fixture is **easy to plaster**. In addition, the typical Xillo® pattern and large mounting surface ensure that the plaster is always perfectly fixated.

See our **Trimless Switch Wallbox data sheet** for further information.



TRIM_SWITCHMCW124INV



KNX_VELFA4 & TRIM_SWITCHMCW124INV

CUSTOMIZATIONS:

Would you like to **personalize** your **products** permanently with inscriptions, logos and/or symbols? All Tense finishes are suitable for these customizations. **Engraving, printing, lasering...** are some of the available options.

See our **Customizations data sheet** for further explanation.

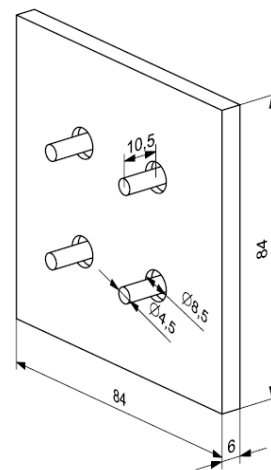


VELxx1

VELxx2

VELxx4

The Velocity series complies of 3 different push-button combinations.



Drawing Velocity Metal 4F

FINISHES

1F, 2F, 4F available in all Metal finishes.

Aluminium:

Alu (brushed)	KNX_VELA
Forged Alu	KNX_VELFA
Alu Black (brushed)	KNX_VELAB
Forged Alu Black	KNX_VELFAB
Alu White (RAL 9016)	KNX_VELAW

Bronze:

Bronze	KNX_VELB
Forged Bronze	KNX_VELFB
Bronze Light	KNX_VELBL
Forged Bronze Light	KNX_VELFBL