TEMSE



KNX_INTA4

SPECIFICATIONS

Dimensions

Power supply: min. 21 V DC. max 31 V DC. supplied by the KNX bus line Maximum power consumption: 1F/2F/4F: 360mW - 8F: 480mW

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)

1F, 2F, 4F: GLASS / STONE: **90 x 90 x 8 mm**

METAL / WOOD / CORIAN: 84 x 84 x 6 mm

CORIAN 3D: **84 x 84 x 10 mm**

8F: GLASS / STONE : 90 x 160 x 8 mm

METAL / WOOD / CORIAN:84 x 165 x 6 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.
- 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.
- Press the programming button. Make sure the red programming LED lights up.
- 8. In ETS, add the device and assign the physical address.
- 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.
- In ETS, select the appropriate parameters and assign the group addresses.
- 12. Download the application program to the device.

INTENSITY SERIES



The Intensity of Tense is a capacitive touch based 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 Intensity has 1, 2, 4 or 8 touch zones with individual RGB LED feedback. The integrated colour LEDs provide **tactile and functional feedback**. Their individual colour or behaviour can be set through the **ETS** parameter or over the bus.

The Intensities 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 Intensity 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 **INTENSITY** series are:

- Switch or Send 1 or 2 Byte values on
 - Short Touch
 - Short and Long Touch
 - Positive / Negative Edges
 - Multi-touch (touching 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 Touch: start / Long Touch: stop
 - Short Touch: start / Short Touch: stop
 - Single Touch

ACCESSORIES:

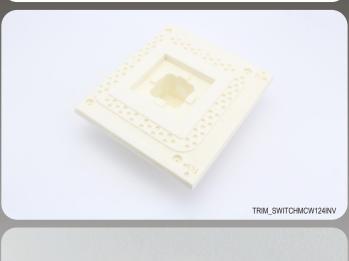
The Intensity can be completed by using accessories.

TRIMLESS WALLBOX

TRIM_SWITCHMCWINV124_BC (brick or concrete/metal, corian or wood), TRIM_SWITCHMCWINV124_P (plasterboard/metal, corian or wood), TRIM_SWITCHGS124_BC (brick or concrete/glass or stone), TRIM_SWITCHGS124_P (plasterboard/glass or stone),

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.





KNX_INTAW4 & TRIM_SWITCH

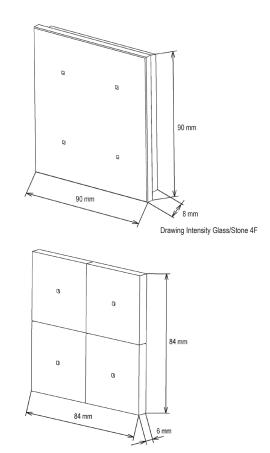
CUSTOMIZATIONS:

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.



The Intensity series complies of 7 different touch-pad combinations in two product lines: The Intensity and Intensity Landscape. See our Intensity Landscape data sheet for further information.



Drawing Intensity Metal 4F

SPECIAL FINISHES:

INTENSITY PAINTABLE

Do you like to subtly integrate your switch in your interior? Just paint this finish plate and the switch is almost invisible. This front is made of a special composite material which can easily be painted in any colour matching your interior. For protecting the switch, a matt water-based varnish can be sprayed over the paint.



INTENSITY WALLPAPER

This front is made of a special composite material and the sides can easily be painted in any colour, matching the wall or interior. Wallpaper, wood veneer, leather, fish skin, cork and other materials of a thickness up to 0,5 mm can be glued in the cut-out.

INTENSITY INTEGRATED

Tense can provide you the electronics to be placed behind a glass, Corian®, stone, ceramic or wooden wall. Furthermore, we can guide you with the instructions and dimensions regarding the cut-out at the back of these materials.



INTENSITY INVISIBLE

Want to lift your switch to another level of integration? Then opt for the Intensity Invisible from Tense. Thanks to the combination of the Xillo® Trimless wallbox & the durable composite material, an in-wall switch is created which is elegant, stylish and nearly invisible. This switch can be easily finished in any colour and type of paint of your liking.

See the relevant data sheets for more information about each of our special finishes.

FINISHES

1F, 2F, 8F available in Corian, Glass and all Metal finishes. 4F available in all finishes.

Aluminium:

Alu (brushed)	KNX_INTA
Forged Alu	KNX_INTFA
Alu Black (brushed)	KNX_INTAB
Forged Alu Black	KNX_INTFAB
Alu Dark Grey (brushed)	KNX_INTADG
Forged Alu Dark Grey	KNX_INTFADG
Alu White (RAL 9016)	KNX_INTAW
Alu RAL (on request)	KNX INTARAL

Bronze:

Bronze	KNX_INTB
Forged Bronze	KNX_INTFB
Bronze Light	KNX_INTBL
Forged Bronze Light	KNX INTERI

Metal:

Chrome (polished)	KNX_INTCH
Stainless Steel (brushed)	KNX_INTSS
Forged Stainless Steel	KNX_INTFSS
Forged Steel	KNX_INTFS
Brushed Gold	KNX_INTBG
Forged Gold	KNX_INTFG
Brushed Copper Rose	KNX_INTBCF
Forged Copper Rose	KNX_INTFCR

Corian:

Corian Black	KNX_INTCB
Corian White	KNX_INTCW
Corian RAL	KNX_INTCRA

Glass:

Glass Black (RAL 9017)	KNX_INTGB
Glass Silver (RAL 7001)	KNX_INTGS
Glass White (RAL 9016)	KNX INTGW

Stone:

Belgian Blue	KNX_INTSBB
Calacatta Marble	KNX_INTSCM
Carrara Bianco Marble	KNX_INTSCBM
Ceppo Di Gres Limestone	KNX_INTSCDGL
Emperador Grey Marble	KNX_INTSEGM
Emperador Marron Marble	KNX_INTSEMM
French White	KNX_INTSFW
Oak White Marble	KNX INTSOWM

Wood: