Tense

NOC_INTA4

INTENSITY SERIES

12-24V DC

The **Intensity** of Tense is a capacitive touch based **switch**.

Depending on the type of front plate the Intensity has **1, 2, 4 or 8 touch zones** with individual **white LED feedback** per touch zone. The LED feedback is adjustable in **2 settings**: the first option is **70%** brightness when untouched, when touched the white LED will light up to **100%** brightness. The second option is **no LED** brightness is shown, but when touched the white LED will light up to **100%**.

The processing of the generated touch signals depends on the connected third party input module. **Multi touch output** is supported without separate channel.

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®.

SPECIFICATIONS

Power supply: **min. 12 V DC. max 24 V DC**.

Power consumption: min **11mA** (1F 24V DC) **-** max **70mA** (8F 12V DC)

Connection: **11 x screw terminal**

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:	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**

Drawing Intensity Glass/Stone 4F

INSTALLATION INSTRUCTIONS:

1. **Remove power** from the system.
2. **Connect** the bus coupler with the needed **switch wires**:
   - **C**: to **common** wire on the input module
   - **1 to 8**: to **any input** of the input module
   - No separate output for multi touch detection, multitouch is supported through individual switching of outputs 1 to 8.

```
C 4 3 2 1    PS
5 6 7 8 C    C T
```

3. **Connect** the **0V** wire to the black terminal (-) and the **12V / 24V DC** wire to the red terminal (+) of the bus coupler.
4. The bus coupler fits a **standard single British or European square or round wall box**. Use two **flat headed screws** to fix the bus coupler.
5. Set the **rotary switch** to the appropriate **setting**.
6. **Plug the front** onto the back unit. Make sure that the "TOP ↑" marking on the PCB (backside of the front) points upwards.
7. **Repower** the system.

See our **NOC Technical Data sheet** for further explanation.


Drawing Intensity Metal 4F

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/glas or stone),
TRIM_SWITCHGS124_P (plasterboard/glas 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.
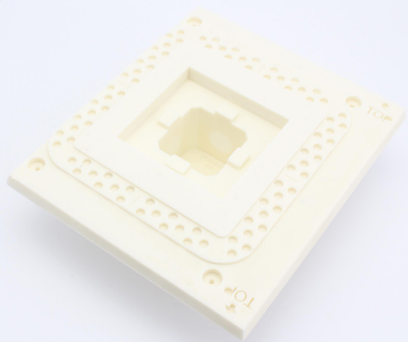
TRIM_SWITCHMCW124INV

NOC_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.

INTLxx1

INTLxx2

INTLxx4

INTxx1

INTxx2

INTxx4

INTxx8
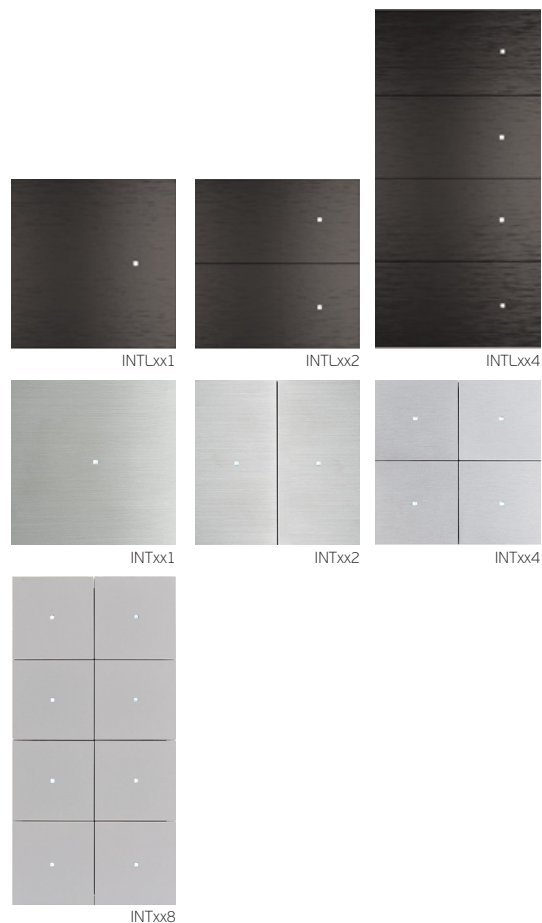
The Intensity series complies of 7 different touch-pad combinations in two product lines: The Intensity and Intensity Landscape. See our **Intensity Landscape data sheet** for further information.

SPECIAL FINISHES:

INTENSITY PAINTABLE
NOC_INTP4

Do you like to subtly integrate your switch in your interior? Just **paint** the finishing 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 the wall of your interior. For protection of the switch, a matt **water-based varnish** can be sprayed over the paint.

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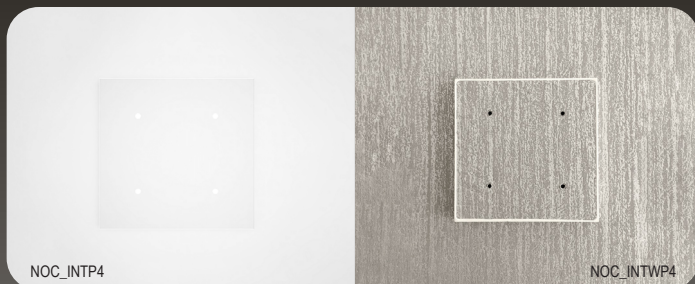
NOC_INTWP4

INTENSITY WALLPAPER
NOC_INTWP4

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
NOC_INTINT

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**.

NOC_INTINT4

NOC_INTINV4

INTENSITY INVISIBLE
NOC_INTINV

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 color 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)	NOC_INTA
Forged Alu	NOC_INTFA
Alu Black (brushed)	NOC_INTAB
Forged Alu Black	NOC_INTFAB
Alu Dark Grey (brushed)	NOC_INTADG
Forged Alu Dark Grey	NOC_INTFADG
Alu White (RAL 9016)	NOC_INTAW
Alu RAL (on request)	NOC_INTARAL

Bronze:

Bronze	NOC_INTB
Forged Bronze	NOC_INTFB
Bronze Light	NOC_INTBL
Forged Bronze Light	NOC_INTFBL

Metal:

Chrome (polished)	NOC_INTCH
Stainless Steel (brushed)	NOC_INTSS
Forged Stainless Steel	NOC_INTFSS
Forged Steel	NOC_INTFS
Brushed Gold	NOC_INTBG
Forged Gold	NOC_INTFG
Brushed Copper Rose	NOC_INTBCR
Forged Copper Rose	NOC_INTFCR

Corian:

Corian Black	NOC_INTCB
Corian White	NOC_INTCW
Corian RAL	NOC_INTCRAL
Corian Carrea White	NOC_INTCCAW
Corian Linea White	NOC_INTCLIW
Corian Organica White	NOC_INTCORW
Corian Ronda White	NOC_INTCROW
Corian Clauda White	NOC_INTCCLW

Glass:

Glass Black (RAL 9017)	NOC_INTGB
Glass Silver (RAL 7001)	NOC_INTGS
Glass White (RAL 9016)	NOC_INTGW

Stone:

Belgian Blue	NOC_INTSBB
Calacatta Marble	NOC_INTSCM
Carrara Bianco Marble	NOC_INTSCBM
Ceppo Di Gres Limestone	NOC_INTSCDGL
Emperador Grey Marble	NOC_INTSEGM
Emperador Marron Marble	NOC_INTSEMM
French White	NOC_INTSFW
Oak White Marble	NOC_INTSOWM

Wood:

Afrormosia	NOC_INTWAF
Ash	NOC_INTWAS
Oak Cotton White	NOC_INTWOCW
Oak Dark	NOC_INTWOD
Oak Pura Natura	NOC_INTWOPN
Padouk	NOC_INTWPA
Walnut	NOC_INTWWA
Wenge	NOC_INTWWE