

Tense  
TOP DESIGN SWITCHES

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# philosophy

## COMPANY

TENSE is a young Belgian designer & manufacturer of TOP DESIGN SWITCHES, OLED room controllers, motion detectors and socket frames for contemporary building projects. All employees have more than 15 years experience in related areas such as electronics manufacturing, home automation, design & lighting. As being an ISO 9001 certified company, TENSE always aims to be one step ahead of competition and to exceed its customers' expectations of top quality, innovative R&D, unbeatable service, in-time delivery and professional export handling.

## PRODUCTS

Our high-quality TENSE touch products are stylish, easy to use, very reliable and designed with passion. Only the best technologies and premium raw materials are used to create our unique TENSE products, which are KNX compatible and are as well available on 12V-24V AC/DC.

DESIGNED, MANUFACTURED & ASSEMBLED IN BELGIUM.





NEW  
ALSO AVAILABLE IN  
8V



INTAW

INTB

INTAB

INTA

## intensity alu-bronze

The contemporary alu white (painted), bronze, alu black (anodised) or alu (anodised) front consists of 1, 2, 4 or 8 touch zones with colour LED feedback (KNX) or white LED feedback (12-24V AC/DC).  
Other metal finishes are available on request.



NEW  
ALSO AVAILABLE IN  
8V



INTG

INTCH

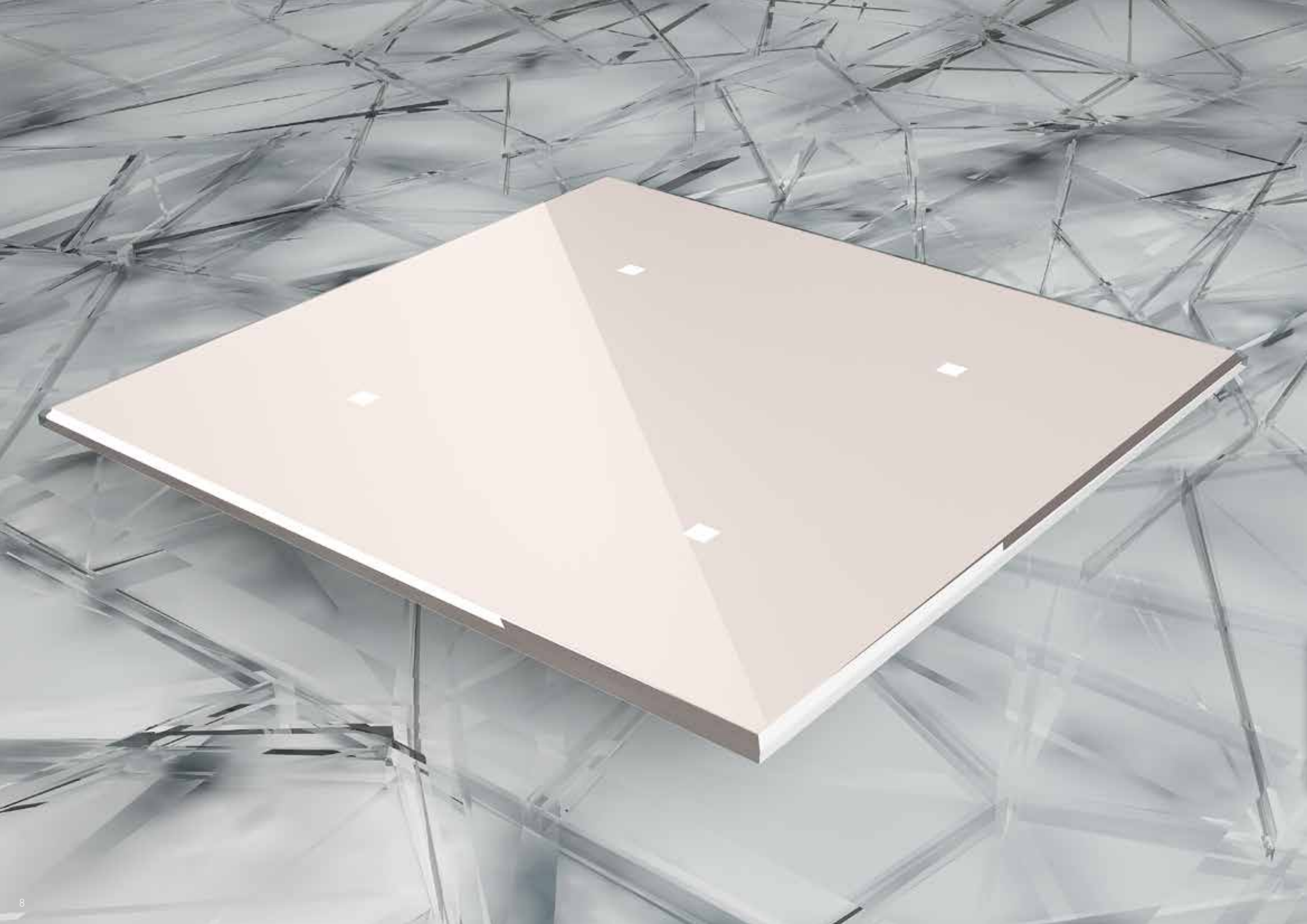
INTBG

INTFF

## intensity metal

The contemporary gold, chrome, brushed gold and fer forgé consists of 1, 2, 4 or 8 touch zones with colour LED feedback (KNX) or white LED feedback (12-24V AC/DC).

Other metal finishes are available on request. Fer forgé is a handmade product and can vary in colour and texture.





INTGS

INTGG

INTGB

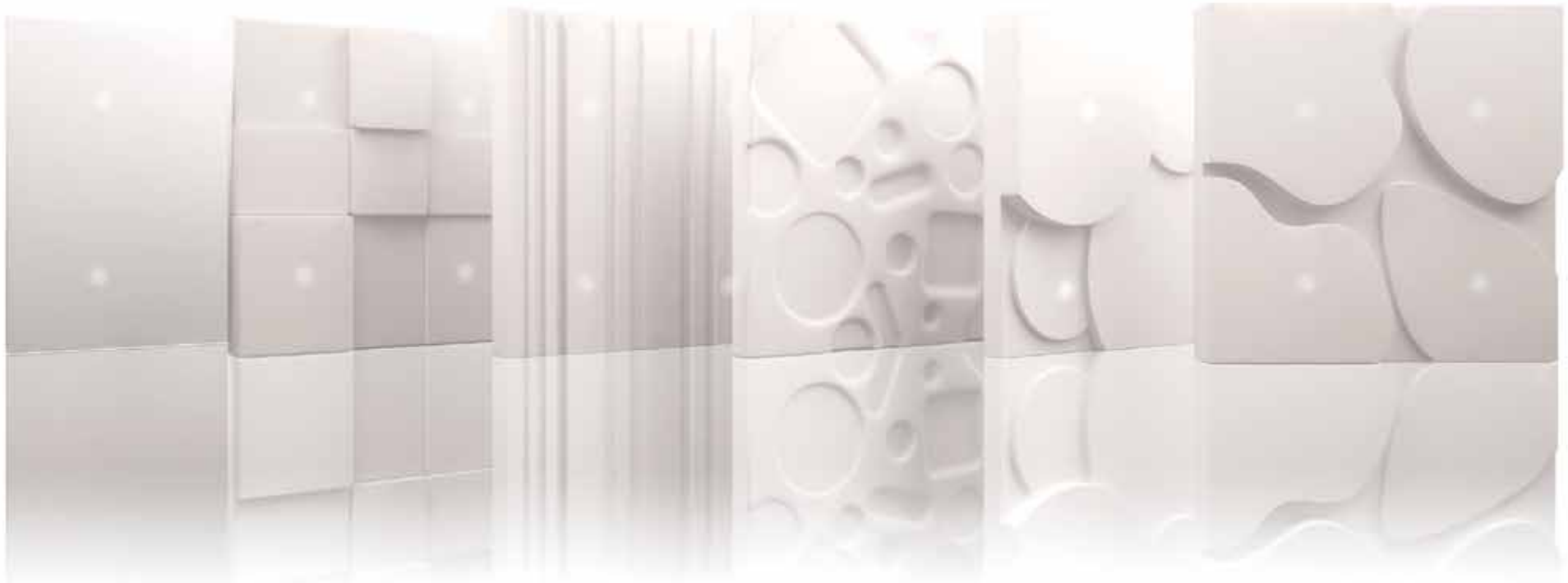
INTGW

## intensity glass

The design glass front in silver, gold, black or white colour consists of 1, 2, 4 or 8 touch zones with colour LED feedback (KNX) or white LED feedback (12-24V AC/DC).  
Special colours are available on request.



NEW  
ALSO AVAILABLE  
IN BLACK CORIAN



INTCW  
INTCB

INTCCAW

INTCLIW

INTCORW

INTCROW

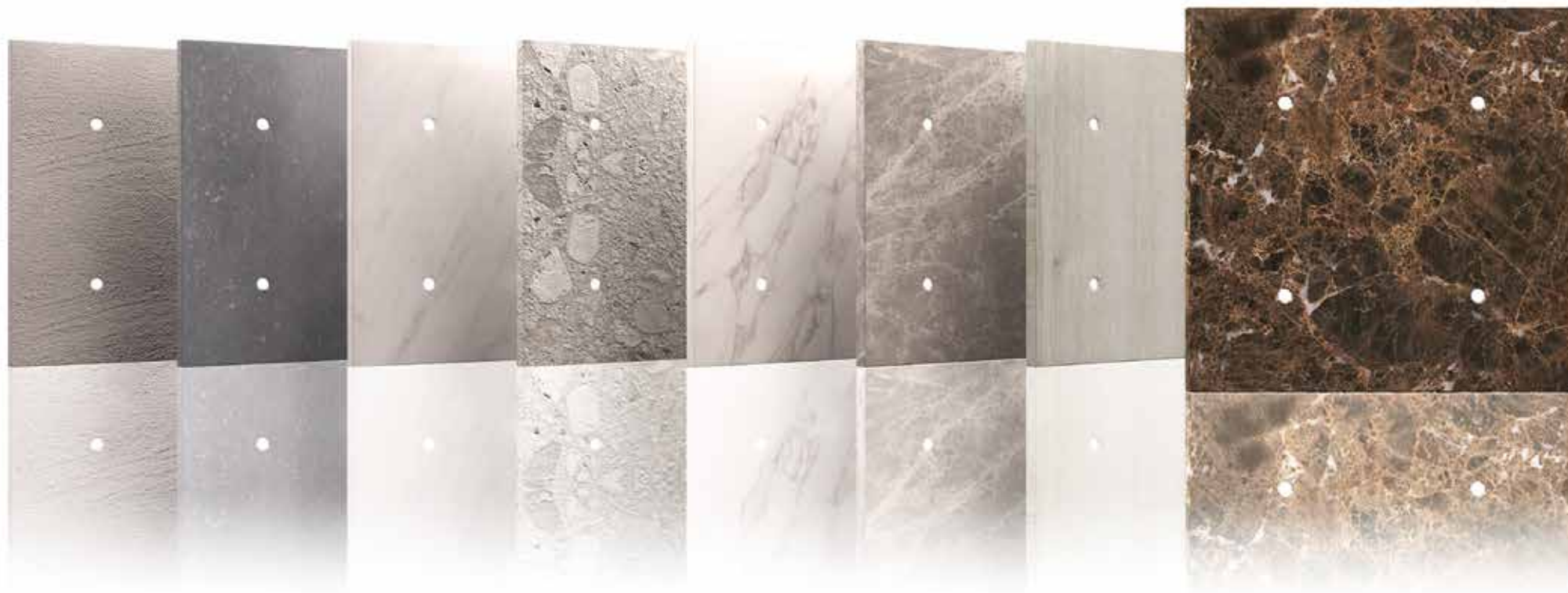
INTCCLW

## intensity corian

The minimalistic white (CW) or black (CB) corian front consists of 1, 2, 4 or 8 touch zones with colour LED feedback (KNX) or white LED feedback (12-24V AC/DC).

The special 3D white corian fronts consists of 4 touch zones with LED colour feedback (KNX) or white LED feedback (12-24V AC/DC).





INTSFW

INTSBB

INTSCBM

INTSCDGL

INTSCM

INTSEGM

INTSOGM

INTSEMM

## intensity stone

The natural stone front consists of 1, 2, 4 or 8 touch zones with colour LED feedback (KNX) or white LED feedback (12-24V AC/DC). Other stone types are available on request.

Stone is a natural product and can vary in colour and texture.



NEW



INTWWA

INTWWE

INTWAF

INTWPA

INTWOPN

INTWOD

INTWOCW

INTWAS

## intensity wood

The classy wood front consists of 1, 2, 4 or 8 touch zones with colour LED feedback (KNX) or white LED feedback (12-24V AC/DC). Other wood types are available on request.

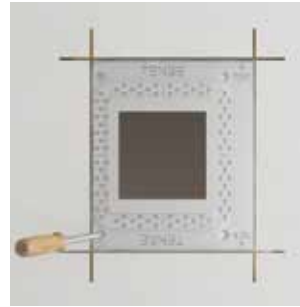
Wood is a natural product and can vary in colour and texture.



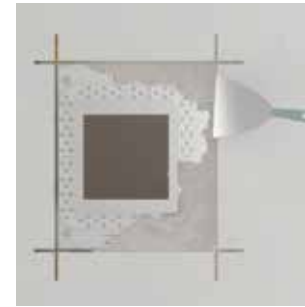
NEW



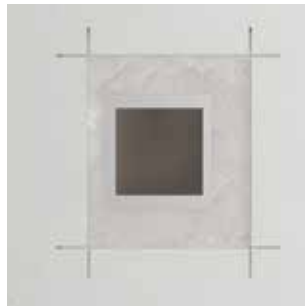
Install 2 wooden planks



Screw the fixture  
on the wooden planks



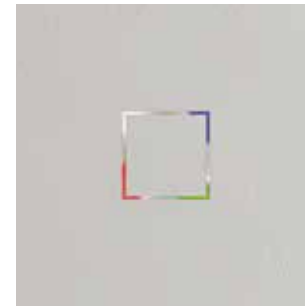
Add fibernet and plaster up to  
the rounded second level



Grind with a sanding machine



Paint the wall and the switch



Put a matt varnish on the switch

Innovative

Flexible

Paintable

Easy installation

Creative

Mindblowing

Aesthetic

invisible

This innovative recessed INVISIBLE switch is fast & easy to install (pre-drilled screw holes or glued / large mounting surface) and easy to plaster thanks to a rounded second level on the fixture.

The INVISIBLE meets the highest finishing standards and is suitable for all surfaces (brick/plasterboard/concrete) which creates a uniform look in every project.

It consists of 4 touch zones with colour LED feedback (KNX) or white LED feedback (12-24V AC/DC).





12:34  
01/01/2015  
21.1°C



INFGS

INFGG

INFGB

INFGW

## infinity glass

Room controller in silver, gold, black and white glass with an oled display to visualize the different functions of your system (light setting/blinds/shutters/audio/scenes/thermostat/info pages/room audio control/...) with colour LED feedback.



INFAW

INFB

INFAB

INFA

## infinity alu-bronze

Room controller in white painted alu, bronze, black alu or alu with an oled display to visualize the different functions of your system (light setting/blinds/shutters/audio/scenes/thermostat/info pages/room audio control/...) with colour LED feedback.

ALSO AVAILABLE IN  
CORIAN,  
STONE,  
WOOD



INFG

INFCH

INFBG

INFFF

## infinity metal

Room controller in gold, chrome, brushed gold and fer forgé with an oled display to visualize the different functions of your system (light setting/blinds/shutters/audio/scenes/thermostat/info pages/room audio control/...) with colour LED feedback.





## socket frames

All matching frames in glass / alu-bronze / metal / corian / stone / wood are available for your existing single / double / triple sockets (55 x 55 mm).

Frames for 4V and 5V are available on demand (alu-bronze / metal / corian / wood).

INSTALLATION HEIGHT (M)	DETECTION RADIUS (M)
1	1,19
2	2,38
3	3,58
4	4,77
5	5,96
6	7,15
7	7,14
8	6,00
9	4,36



KNX



MOTIW



MOTIB

360° view / 116° angle

Drill-hole  
17 mm

## ceiling motivity

Smallest detector in the world.

Brightness, motion detection and t° sensor in one (MOTIW). Motion detection and t° sensor in one (MOTIB).

Patented design. On the 12-24V AC/DC version only motion detection and different dimensions.







DISTANCE FROM OBJECT (M)	DETECTION RADIUS (M)
0,5	0,60
1	1,19
1,5	1,79
2	2,38
2,5	2,98
3	3,58
3,5	3,57
4	3,00
4,5	2,18

360° view / 98° angle

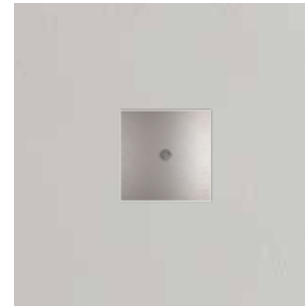
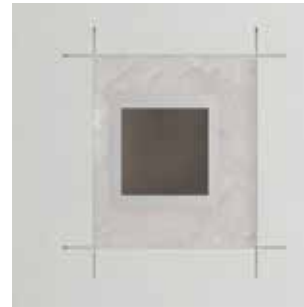
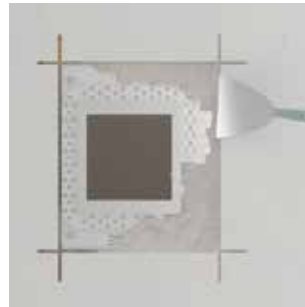
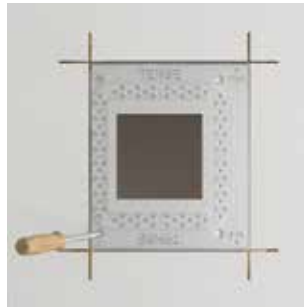
wall motivity

To be installed in the wall (alu-bronze / metal / glass / stone / corian / wood).  
Motion detection and t° sensor in one.





NEW



## intensity-infinity-motivity- socket trimless

All Intensity switches , Infinity room controllers, Motivity wall detectors and Socket frames can be mounted in the strong, fire-resistant, plaster and paintable TRIMLESS composite fixture.

This innovative recessed solution is fast & easy to install (pre-drilled screw holes or glued / large mounting surface) and easy to plaster thanks to a rounded second level on the fixture.

The TRIMLESS meets the highest finishing standards and is suitable for all surfaces (brick/plasterboard/concrete) which creates a uniform look in every project.



graag render 8V aanleveren



## product overview

TENSE products are available in different materials (glass / alu-bronze / metal / corian / stone / wood) and in different colours.

KNX



12-24V  
AC/DC



or



or



or



or



## installation

TENSE products can be installed in a single standard round or square European or BS mounting box.



### How does it work?

1. Design your inscriptions, logos and/or symbols in the required font (black colour) and font size (line thickness min 1 mm).  
You can find symbols e.g. on [www.flaticon.com](http://www.flaticon.com) (.svg or .eps files).  
Inscriptions (text) should be designed as well in a vector type.
2. Complete the A4-A5-A6 page with some spare inscriptions, logos and/or symbols.
3. Send the file by e-mail to TENSE.
4. Upon receipt, simply stick the inscriptions, logos and/or symbols on the TENSE products.

### Which graphic format should the file have?

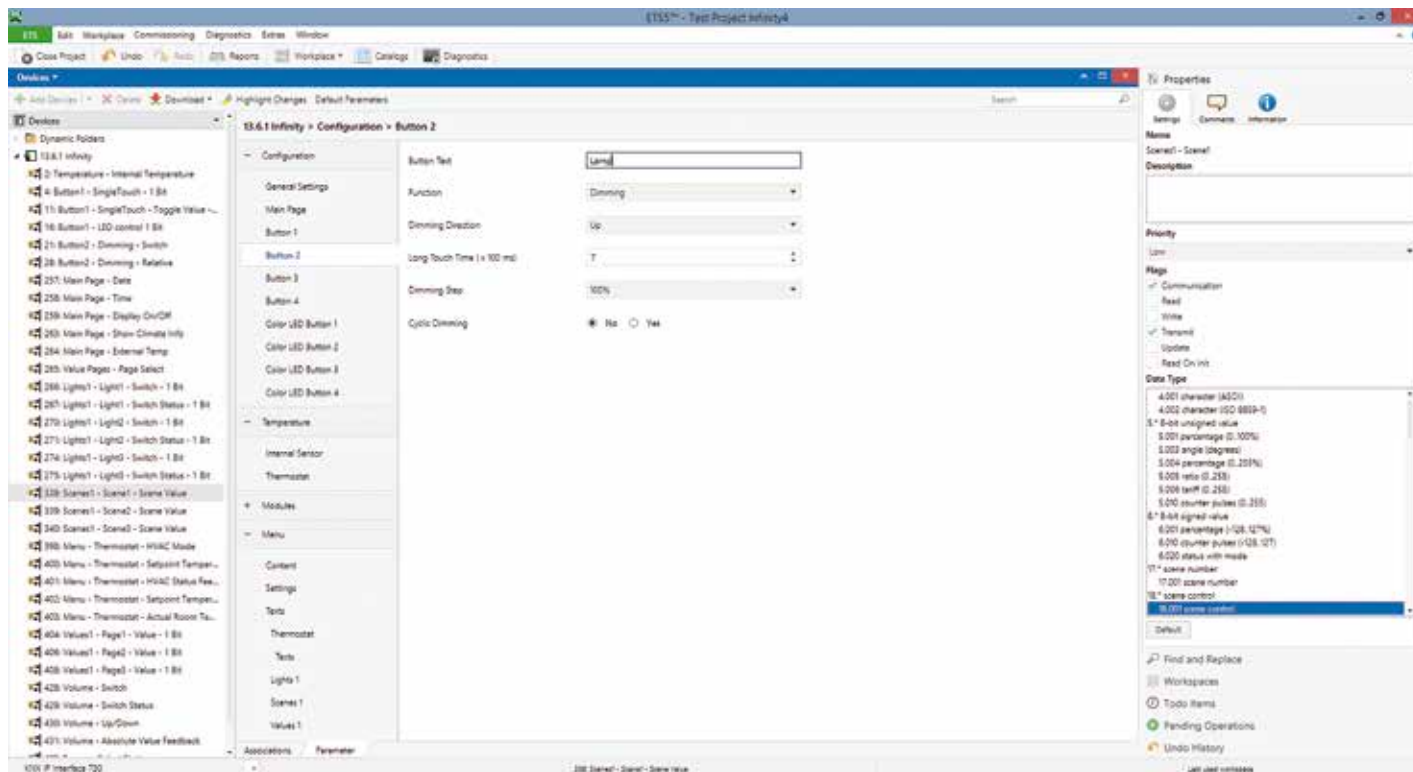
1. Native Corelsuite: CDR, CPT
2. Native Adobe Illustrator: AI or EPS
3. Native PDF/X (no bitmaps but converted to curves vector files)

### Product codes

	A4	A5	A6
Silver Gloss	LA4SG	LA5SG	LA6SG
Silver Matt	LA4SM	LA5SM	LA6SM
Silver Brushed	LA4SB	LA5SB	LA6SB
Black Gloss	LA4BG	LA5BG	LA6BG
Black Matt	LA4BM	LA5BM	LA6BM
Gold Gloss	LA4GG	LA5GG	LA6GG
Gold Matt	LA4GM	LA5GM	LA6GM
Gold Rose Gloss	LA4GRG	LA5GRG	LA6GRG
Gold Rose Matt	LA4GRM	LA5GRM	LA6GRM
Combi Silver Gloss / Matt	LA4CSGM	LA5CSGM	LA6CSGM
Combi Gold Gloss / Matt	LA4CGGM	LA5CGGM	LA6CGGM

## inscriptions-logos-symbols

Personalize your TENSE products and others, yourself and anytime, with luxury ultra-thin metalized 3D inscriptions, logos and symbols.



## ETS software

All our KNX products support a broad range of diverse application profiles and are easy to be programmed via ETS. Furthermore, the firmware can be reprogrammed through the bus so that future applications can be supported in a flexible way.



#### Functions INTENSITY:

- > Switch or Send 1 or 2 Byte Values on
  - Short Touch
  - Short and Long Touch
  - Positive / Negative Edges
- > Dimming (using 1 or 2 buttons)
- > Blind Control (using 1 or 2 buttons)
- > Shutter Control (using 1 or 2 buttons), with predefined operation concepts:
  - Short Touch : start / long:stop
  - Long Touch : start / short: stop
  - Single Touch : short: start/stop
- > Recalling / Saving Scenes

#### Functions INFINITY:

In stand-by mode it acts like a regular switch (INTENSITY) with multiple functions that are set through the ETS software of KNX.

The display can be used to show button function info, thermostat status, internal and external temperatures and date/time information.

Additionally, touching at least 2 buttons at the same time activates the menu.

In this menu, you can navigate through the head pages (which are organised by function) by swiping from left to right (forward) or from right to left (backward) on the upper 2 touch buttons.

By swiping the lower 2 touch buttons, subpages can be navigated. Each page contains a description of its function and the function of each button.

#### Available pages

- > Thermostat (Changing the Mode and Setpoint)
- > 3x6 Lights (Switching/Dimming)
- > 2x6 Shutters/Blinds/Curtains
- > 2x6 Scenes
- > 2x6 Value Pages
- > Multimedia Control (Selecting source/Controlling Volume/ Playlists,...)

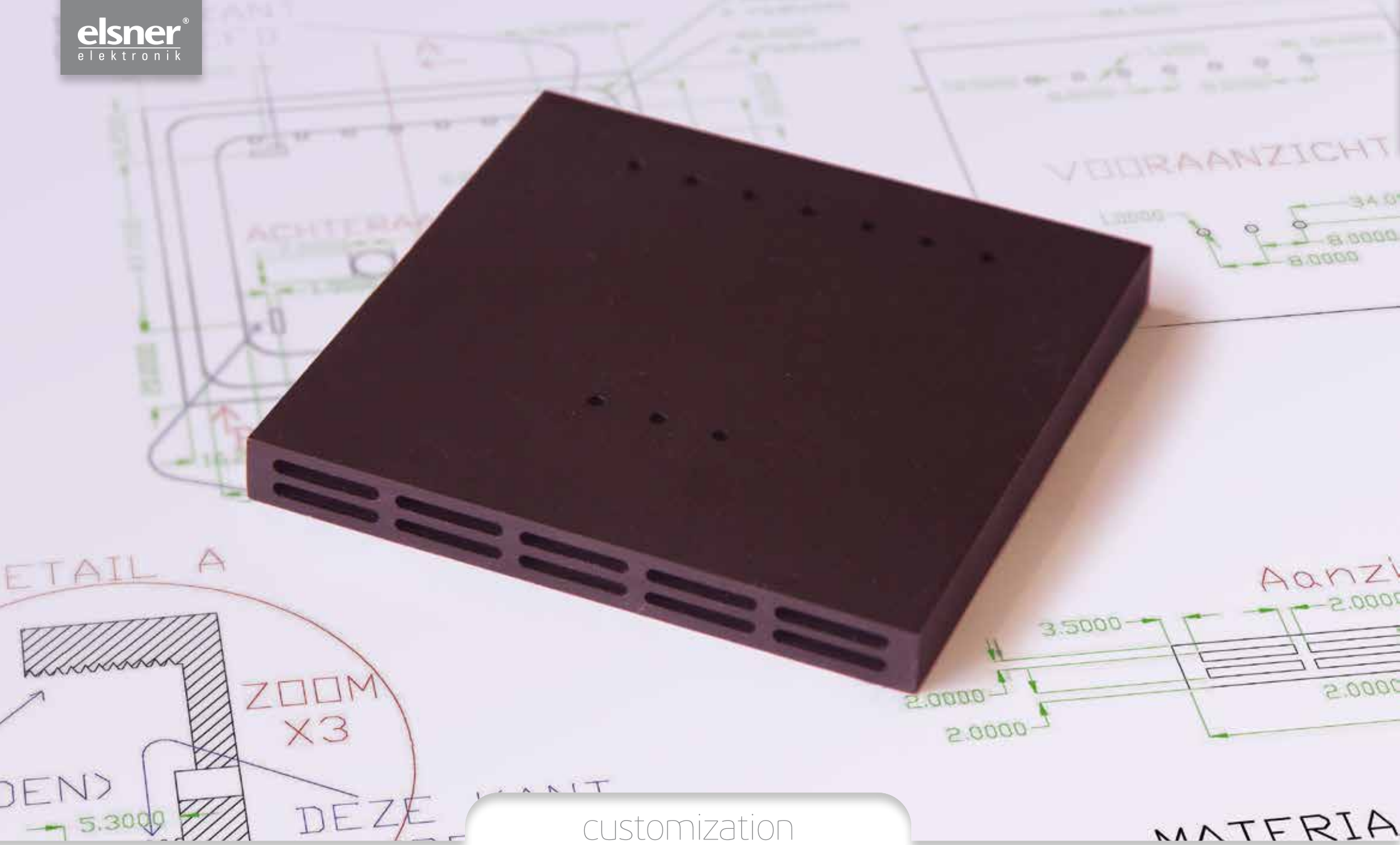
#### Functions MOTIVITY:

- > Master/Slave Mode possible
- > Internal Temperature Sensor with correction
- > Internal Light Sensor with correction
- > Up to 4 different Output Actions available, which can be independently activated on certain conditions (e.g. day/night). Possible Output Actions: switching, dimming, recalling scenes, sending 1 or 2 Byte unsigned value
  - With switch-off delay
  - Light dependent
- > Ventilation Control
- > Blocking object

#### Common modules for INTENSITY/INFINITY/MOTIVITY:

- > Temperature sensing
- > Thermostat (PI and 2Point – Switching)
- > Scene Module
- > Timers
- > Basic Logic Functions
- > Up/Down Counters

technical features







## customization

Tense is able to customize some products in order to have a uniform look throughout your project, but a certain MOQ will be requested.






For example: the white plastic front of the ELSNER KNX AQS/TH-UP (combined sensor for CO<sub>2</sub>, t° and humidity) has been replaced by a bronze front, matching the bronze switches, room controllers and socket frames of the project.

# order codes

TRIMLESS METAL / CORIAN** / WOOD**	TRIMLESS GLASS / STONE	INVISIBLE
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INTENSITY switch				
	1V	TRIM84X84	TRIM90X90	X
	2V	TRIM84X84	TRIM90X90	X
	4V	TRIM84X84	TRIM90X90	INVINT4*
	8V	TRIM84X165	TRIM90X161	X

INFINITY room controller				
	OLED	TRIM84X84	TRIM90X90	X
	OLED	TRIM84X165**	TRIM90X161	X



SOCKET frame				
	1V	TRIM-SOCK84X84	TRIM90X90	X
	2V	TRIM-SOCK84x155	TRIM90x161	X
	3V	TRIM-SOCK84x226	TRIM-SOCK90x232	X
	4V	X	X	X
	5V	X	X	X






MOTIVITY detector				
		TRIM84X84	TRIM90X90	INVMOT

\*For 12-24V AC/DC, add a "V" in front of the KNX order code

GLASS WHITE	GLASS BLACK	GLASS SILVER	GLASS GOLD
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INTENSITY* switch					
	1V	INTGW1	INTGB1	INTGS1	INTGG1
	2V	INTGW2	INTGB2	INTGS2	INTGG2
	4V	INTGW4	INTGB4	INTGS4	INTGG4
	8V	INTGW8	INTGB8	INTGS8	INTGG8

INFINITY room controller					
	OLED	INFGW4	INFBG4	INFGS4	INFGG4
	OLED	X	X	X	X













SOCKET frame					
	1V	SOCKGW1	SOCKGB1	SOCKGS1	SOCKGG1
	2V	SOCKGW2	SOCKGB2	SOCKGS2	SOCKGG2
	3V	SOCKGW3	SOCKGB3	SOCKGS3	SOCKGG3
	4V	X	X	X	X
	5V	X	X	X	X

MOTIVITY* detector					
		MOTGW	MOTGB	MOTGS	MOTGG

\*For 12-24V AC/DC, add a "V" in front of the KNX order code

## order codes









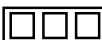



ALU	ALU BLACK	ALU WHITE	BRONZE	GOLD	BRUSHED GOLD	FER FORGE	CHROME
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INTENSITY* switch									
	1V	INTA1	INTAB1	INTAW1	INTB1	INTG1	INTBG1	INTFF1	INTCH1
	2V	INTA2	INTAB2	INTAW2	INTB2	INTG2	INTBG2	INTFF2	INTCH2
	4V	INTA4	INTAB4	INTAW4	INTB4	INTG4	INTBG4	INTFF4	INTCH4
	8V	INTA8	INTAB8	INTAW8	INTB8	INTG8	INTBG8	INTFF8	INTCH8
INFINITY room controller									
	OLED	INFA4	INFAB4	INFAW4	INFB4	INFG4	INFBG4	INFFF4	INFCH4
	OLED	X	X	X	X	X	X	X	X
SOCKET frame									
	1V	SOCKA1	SOCKAB1	SOCKAW1	SOCKB1	SOCKG1	SOCKBG1	SOCKFF1	SOCKCH1
	2V	SOCKA2	SOCKAB2	SOCKAW2	SOCKB2	SOCKG2	SOCKBG2	SOCKFF2	SOCKCH2
	3V	SOCKA3	SOCKAB3	SOCKAW3	SOCKB3	SOCKG3	SOCKBG3	SOCKFF3	SOCKCH3
	4V	SOCKA4	SOCKAB4	SOCKAW4	SOCKB4	SOCKG4	SOCKBG4	SOCKFF4	SOCKCH4
	5V	SOCKA5	SOCKAB5	SOCKAW5	SOCKB5	SOCKG5	SOCKBG5	SOCKFF5	SOCKCH5
MOTIVITY* detector									
		MOTA	MOTAB	MOTAW	MOTB	MOTG	MOTBG	MOTFF	MOTCH

\*For 12-24V AC/DC, add a "V" in front of the KNX order code

## order codes













CORIAN WHITE	CORIAN BLACK	CORIAN CARREA WHITE	CORIAN LINEA WHITE	CORIAN ORGANICA WHITE	CORIAN RONDA WHITE	CORIAN CLAUDA WHITE
-----------------	-----------------	---------------------------	--------------------------	-----------------------------	--------------------------	---------------------------

<b>INTENSITY*</b> switch								
	1V	INTCW1	INTCB1	X	X	X	X	X
	2V	INTCW2	INTCB2	X	X	X	X	X
	4V	INTCW4	INTCB4	INTCCAW4	INTCLIW4	INTCORW4	INTCROW4	INTCCLW4
	8V	INTCW8	INTCB8	X	X	X	X	X
<b>INFINITY</b> room controller								
	OLED	INFCW4	INFCB4	X	X	X	X	X
	OLED	INFCW8	INFCB8	X	X	X	X	X
<b>SOCKET</b> frame								
	1V	SOCKCW1	SOCKCB1	SOCKCW1	SOCKCW1	SOCKCW1	SOCKCW1	SOCKCW1
	2V	SOCKCW2	SOCKCB2	SOCKCW2	SOCKCW2	SOCKCW2	SOCKCW2	SOCKCW2
	3V	SOCKCW3	SOCKCB3	SOCKCW3	SOCKCW3	SOCKCW3	SOCKCW3	SOCKCW3
	4V	SOCKCW4	SOCKCB4	SOCKCW4	SOCKCW4	SOCKCW4	SOCKCW4	SOCKCW4
	5V	SOCKCW5	SOCKCB5	SOCKCW5	SOCKCW5	SOCKCW5	SOCKCW5	SOCKCW5
<b>MOTIVITY*</b> detector								
		MOTCW	MOTCB	X	X	X	X	X

\*For 12-24V AC/DC, add a "V" in front of the KNX order code

## order codes













STONE BELGIAN BLUE	STONE FRENCH WHITE	STONE CARRARA BIANCO MARBLE	STONE CEPPO DI GRES LIMESTONE	STONE CALACATTA MARBLE	STONE EMPERA- DOR GREY MARBLE	STONE EMPERADOR MARRON MARBLE	STONE OAK GREY MARBLE
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INTENSITY* switch									
	1V	INTSBB1	INTSFW1	INTSCBM1	INTSCDGL1	INTSCM1	INTSEGM1	INTSEMM1	INTSOGM1
	2V	INTSBB2	INTSFW2	INTSCBM2	INTSCDGL2	INTSCM2	INTSEGM2	INTSEMM2	INTSOGM2
	4V	INTSBB4	INTSFW4	INTSCBM4	INTSCDGL4	INTSCM4	INTSEGM4	INTSEMM4	INTSOGM4
	8V	INTSBB8	INTSFW8	INTSCBM8	INTSCDGL8	INTSCM8	INTSEGM8	INTSEMM8	INTSOGM8
INFINITY room controller									
	OLED	INFBB4	INF4FW	INFSCBM4	INFSCDGL4	INFSCM4	INFSEGM4	INFSEMM4	INF4SOGM4
	OLED	X	X	X	X	X	X	X	X
SOCKET frame									
	1V	SOCKSBB1	SOCKSFW1	SOCKSCBM1	SOCKSCDGL1	SOCKSCM1	SOCKSEGM1	SOCKSEMM1	SOCKSOGM1
	2V	SOCKSBB2	SOCKSFW2	SOCKSCBM2	SOCKSCDGL2	SOCKSCM2	SOCKSEGM2	SOCKSEMM2	SOCKSOGM2
	3V	SOCKSBB3	SOCKSFW3	SOCKSCBM3	SOCKSCDGL3	SOCKSCM3	SOCKSEGM3	SOCKSEMM3	SOCKSOGM3
	4V	X	X	X	X	X	X	X	X
	5V	X	X	X	X	X	X	X	X
MOTIVITY* detector									
		MOTSBB	MOTSF4	MOTSCBM	MOTSCDGL	MOTSCM	MOTSEGM	MOTSEMM	MOTSOGM

\*For 12-24V AC/DC, add a "V" in front of the KNX order code

## order codes

WOOD OAK PURA NATURA	WOOD OAK COTTON WHITE	WOOD ASH	WOOD OAK DARK	WOOD PADOUK	WOOD AFROR- MOSIA	WOOD WENGE	WOOD WALNUT
----------------------------	--------------------------------	-------------	------------------	----------------	-------------------------	---------------	----------------

<b>INTENSITY*</b> switch									
	1V	INTWOPN1	INTWOCW1	INTWAS1	INTWOD1	INTWPA1	INTWAF1	INTWWE1	INTWWA1
	2V	INTWOPN2	INTWOCW2	INTWAS2	INTWOD2	INTWPA2	INTWAF2	INTWWE2	INTWWA2
	4V	INTWOPN4	INTWOCW4	INTWAS3	INTWOD4	INTWPA4	INTWAF4	INTWWE4	INTWWA4
	8V	INTWOPN8	INTWOCW8	INTWAS4	INTWOD8	INTWPA8	INTWAF8	INTWWE8	INTWWA8
<b>INFINITY</b> room controller									
	OLED	INFWOPN4	INFWOCW4	INFWAS4	INFWOD4	INFWPA4	INFWAF4	INFWWE4	INFWWA4
	OLED	INFWOPN8	INFWOCW8	INFWAS8	INFWOD8	INFWPA8	INFWAF8	INFWWE8	INFWWA8
<b>SOCKET</b> frame									
	1V	SOCKWOPN1	SOCKWOCW1	SOCKWAS1	SOCKWOD1	SOCKWPA1	SOCKWAF1	SOCKWWE1	SOCKWWA1
	2V	SOCKWOPN2	SOCKWOCW2	SOCKWAS2	SOCKWOD2	SOCKWPA2	SOCKWAF2	SOCKWWE2	SOCKWWA2
	3V	SOCKWOPN3	SOCKWOCW3	SOCKWAS3	SOCKWOD3	SOCKWPA3	SOCKWAF3	SOCKWWE3	SOCKWWA3
	4V	X	X	X	X	X	X	X	X
	5V	X	X	X	X	X	X	X	X
<b>MOTIVITY*</b> detector									
		MOTWOPN	MOTWOCW	MOTWAS	MOTWOD	MOTWPA	MOTWAF	MOTWWE	MOTWWA

\*For 12-24V AC/DC, add a "V" in front of the KNX order code



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