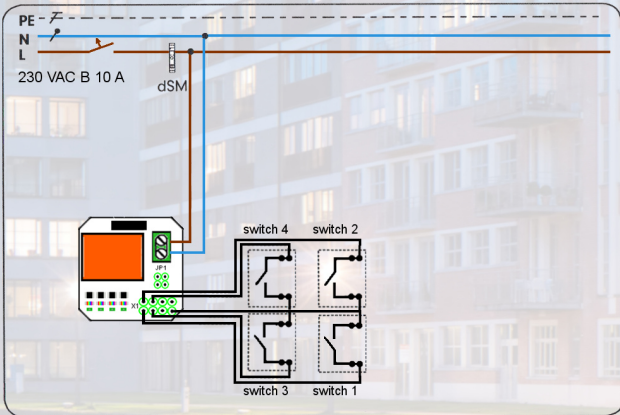


Nr.: 3006.1911.27.0001EN

# Digital Strom IC T4L-LED-NL



Assignment	X1	NIKO	
1	Input 1	White	A
2	Input 2	Brown	B
3	Input 3	Green	C
4	Input 4	Yellow	D
5	NC	Gray	
6	LED Out 1	Pink	LED+
7	GND	Blue	C1
8	LED Out 2	Red	LED+
<hr/>			
Display	On PCB		
<hr/>			
1	LED 1 - 4		
2	LED dS		
<hr/>			
JP1	Brightness of external LEDs		
<hr/>			
1-2	100%		
3-4	33%		



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We are digitalSTROM Alliance partner

Modul for NIKO push button  
new dS 300er technology

Article no.: 3006.1911.27.0001

GTIN: 4260385582706

**Short description:**

The "IC T4L-LED-NL" is designed for the integration of low voltage button into the Digital Strom system. The module is particularly suitable as an application with the NIKO buttons used in the BENELUX market. Both the push button voltage and the external LED supply are provided by the T4L LED-NL. The module has the dS function features of the SW-SKM 300 terminal. This allows 4-way pushbutton elements to perform up to 16 functions in the dS system.

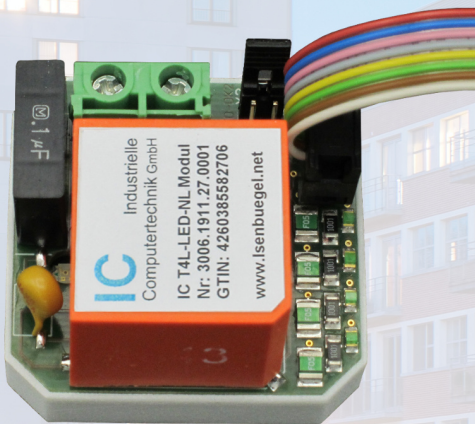
The line voltage for the connected buttons is provided by the T4L-LED-NL module with 13 - 15 V DC and a current of approx. 9 mA. For service and commissioning, each line is equipped with an internal LED, which is on when the button is pressed.

The low voltage side is galvanically isolated from the mains with > 2KV. The module is installed in the flush-mounted / switch box. With its dimensions of L = 41 mm, W = 41 mm and h = 27mm, it also fits in a Netherlands standard flush-mounted box.

Due to the integrated dS joker function (black) an assignment in the dS system is possible beside yellow (light), for example also for gray (shadow).

**Status display dS System (LED):**

The status LED on board lights up brightly if at least one sensor status is "1". Otherwise, it is dark (operation check). If the status of one of the sensors changes, the LED flashes briefly.

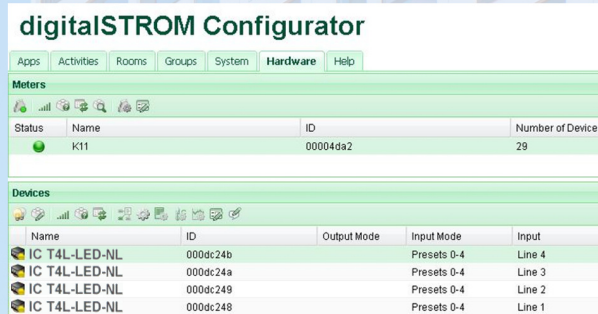


**Assembly:**

Installation is carried out in the flush box. After the electrical connection and the power supply has been switched on, the module automatically signals itself to the Digital Strom meter in the circuit distributor (a separate dSID for each of the four lines).

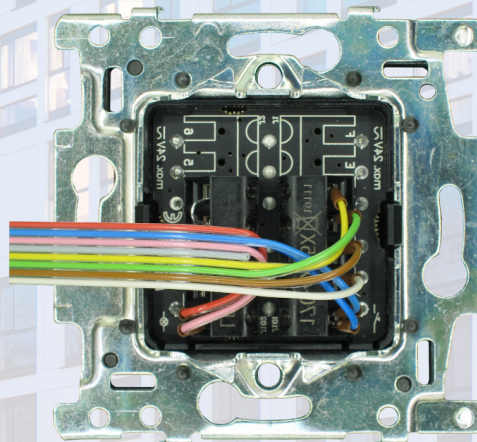
**Operating modes:**

The operating mode can be changed using the installation software of the Digital Strom server.



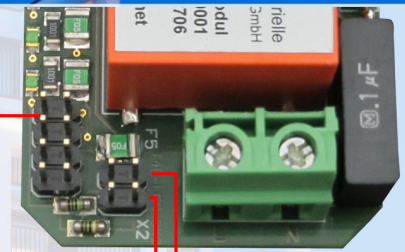
**Service:**

Each input operates independently. Each input can be individually configured.



NIKO article No.: 170-40151

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Pin1 Occupancy table overleaf 33% 100%

The jumpers are for the individual adjustment of the external button LEDs. It is possible to select between 2 light intensities (100% 33%).

Without bridge, the LEDs on the button are off.

**Registration to the Digital Strom system:**

The LED on board flashes quickly when you log on to a Digital Strom system.

**Technical specifications:**

- Nominal input voltage / frequency ..... 230 V AC / 50 Hz
- Power ..... approx. 0.3 W
- Technical data Inputs ..... galvanically isolated
- Voltage input lines ..... ca.14 V DC, approx. 9 mA
- Voltage for external LED ..... 15 VDC / max. 9mA
- External contacts to be connected ..... potential free
- Supplied cable ..... 100mm
- Terminals ..... Max. 1,5mm<sup>2</sup>
- Dimension ..... 41 x 41 x 27mm
- Protection class (dry rooms) ..... IP20 EN 60529
- Permissible ambient temp. (Operation) ..... -5 ° C ... +40 ° C

Permissible ambient humidity (operation)  
<80% RH non-condensing

Data transmission via 230 V AC network  
DigitalSTROM protocol V1.0

