

## XD-13 I/O INTERFACE

### XD range

The Nexmosphere X-Dot range offers a variety of functions in an ultra-small form factor. The unique cable design offers flexible installation since its fitted with both bottom, and side feed options. Use the Element directly on a surface, or hide the cable under the X-Dot. It is simple to install, use and maintain due to the high-quality finishing and non-marking double-sided tape.

The X-Dot I/O is a versatile interface for any market-available push button with LED or any other generic 3.3V I/O device. The onboard LED controller offers smooth dimming of the connected LED for an attractive soft glow or pulsing patterns.



### Features

- Ultra small form factor
- Interfaces with any standard market-available push button
- LED driver for 3.3V LED

### X-talk

The X-Dot can easily be connected to any of the Nexmosphere Xperience controllers using the X-talk interface. All settings of the X-Dot are programmable on the Xperience controller, enabling a seamless integration in your application.

- Plug and smile interface
- Compatible with any Nexmosphere Xperience controller
- Powered by and programmable with Nexmosphere Xperience controller

### Button interface & LED control

X-Dot I/O supports interfacing with standard market-available push buttons with an embedded LED. The LED controller on the X-Dot provides smooth dimming from 100–0%. Different standard glowing/pulsing patterns can be programmed to enable an attractive presentation.

- 3pin connection (Button, Ground, LED+)
- Wiring size AWG 22-26, solid/stranded copper
- Wire strip length: 4-5,5 mm
- Programmable glowing/pulsing patterns with variable speed and LED intensity

### Benefits

- Unique cable connection (bottom feed or side feed) enables invisible cable installation
- Securely mounts on any flat surface, horizontal, vertical or angled
- Easy removable non-marking double sided tape
- Status LED for visual feedback
- Multiple data gathering functionalities on the Xperience controller offer a unique insight into traffic
- Interfaces with any 3rd party 3.3V I/O device



# XD-I3 I/O INTERFACE

### Thermal specifications

Operating temperature: +10°C...+40°C/ +50°F ... +104°F  
 Storage temperature: -20°C...+50°C/ -4°F ... +122°F

### Electrical specifications

Operating voltage: 5VDC (via X-talk interface)  
 Power consumption: 200mA  
 Max LED output current: 150mA  
 Output voltage: 3.3V

### Miscellaneous

- Three cable lengths available (60/120/180cm)
- Custom colors and cable length available on request
- 1 year warranty (optional 3 year extended warranty available)

### Packaging

Items per carton 1, 10 or 50 pcs

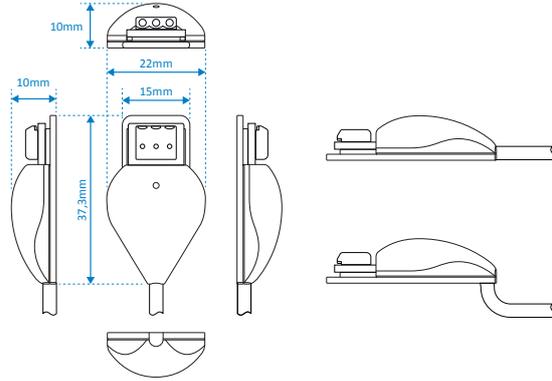
### Standards and Certifications



**RoHS**  
compliant

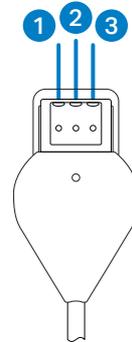
### Mechanical dimensions

LxWxH: 37,3 x 22 x 10 mm (sensor interface)  
 Fixation: Interface: Double sided adhesive tape



### Pinout

- |           |                                 |
|-----------|---------------------------------|
| 1. Input  | 3.3V= push (1), GND=no push (0) |
| 2. Ground | LED -                           |
| 3. +3.3V  | LED +                           |



### Ordering information

<i>Product ID</i>	<i>Description</i>	<i>Netto weight</i>	<i>Quantity</i>
XDW-I34	X-Dot Button interface, LED dimmer 3.3V, White, 60cm	13g	1 pc
XDW-I35	X-Dot Button interface, LED dimmer 3.3V, White, 120cm	19g	1 pc
XDW-I36	X-Dot Button interface, LED dimmer 3.3V, White, 180cm	22g	1 pc

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