CleanSwitch LED

Original instructions

General

1 Safety instructions

The unit may only be installed and commissioned by trained and qualified personnel. The unit may only be opened and repaired by the manufacturer.
This unit may only be operated from a protective low-voltage with safe electrical isolation.
Always consider the safety functions of your application as a whole, never just in relation to one individual component of the system.
The installer is responsible for carrying out a risk assessment and installing the detector and the system correctly.
Avoid touching any electronic components.

2 Assembly

1 TOP TOP

Insert sealing as marked.

Mounting option 2 screws

Mounting option 4 screws

2 Hang in the cover from above.

Push until it clicks!

Disassembly

3 Configuration

Factory settings

Detection range 0.1 – 0.5 m

Colour brightness

1 – 3 Colour settings

4 Mode setting

DIP switches

1 – 3 Optical feedback

Green / Red

Red / Red

Red / Green

Blue / Blue

Blue / Green

– / Green

Green / Green

– / Blue

4 ON Toggle Mode

4 OFF Pulse Mode
Technical data

<table>
<thead>
<tr>
<th>Technology</th>
<th>Microwave Doppler Radar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>24.125 GHz</td>
</tr>
<tr>
<td>Detection range</td>
<td>0.1 – 0.5 m</td>
</tr>
</tbody>
</table>
| Detection mode   | Pulse mode: sensor detects while hand is moving  
|                  | Toggle mode: first movement on/ second movement off |
| Detection speed  | Min: 5 Hz or ± 3 cm/s  
|                  | Max: 200 Hz or ± 1.2 m/s |
| Supply voltage   | 12 – 24 VAC ± 10 % (50 – 60 Hz)  
|                  | 12 – 24 VDC ± 20 % / – 10 % |
| Max. power consumption | < 1 W (with optical feedback) |
| Output           | Relay with switch-over contact (free of potential)  
|                  | Max. switching voltage/current (DC): 1A up to 30V, 0.5A up to 60V  
|                  | Max. switching voltage/current (AC): 1A up to 60V, 0.5A up to 125V  
|                  | Max. switching power: 30 W (DC) / 60 VA (AC) |
| Output hold time | “Relay hold time”: 0.3 s  
|                  | “LED hold time”: 2 s |
| Storage / operation temperature | – 20 to +60 °C |
| Protection class | IP65 (fixed with 4 screws, smooth surface) |
| Dimension (mm)   | 88 x 88 x 38 mm (L x W x H) |
| Weight           | 55 g                    |
| Materials        | ASA / PC                |

Note: CleanSwitch is according VAH list resistant to surface disinfectants in hospitals.

EU Declaration of Conformity

See attachment

WEEE

Devices with this symbol must be treated separately during disposal. This must be done in accordance with the laws of the respective countries for environmentally sound disposal, processing and recycling of electrical and electronic equipment.

FCC approval

This device meets the requirements of Part 15 of the FCC regulations and the RSS-210 standard of Industry Canada.

Warning: Changes or modifications made to this device may void the FCC authorisation to operate this device.

Contact

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Made in China / Designed in Switzerland