

OMH-100D

Clean Wave[®]

Touchless switch for hygiene-critical environments
with superior durability and sleek, space-saving design.



The Clean Wave OMH-100D is a high-performance, touchless switch built for environments where hygiene, durability, and seamless operation are essential. Its sleek, low-profile design and IP-rated waterproof housing make it ideal for demanding settings—from cleanrooms and food processing areas to hospitals and refrigerated warehouses. With reliable microwave Doppler detection and customizable LED indicators, it ensures intuitive, hands-free control while maintaining a clean, modern aesthetic. Versatile and easy to install, it's suited for a wide range of applications requiring contact-free operation. Whether used in new construction or retrofit projects, the Clean Wave delivers both functionality and visual harmony.



Low-temperature
compatible down to
-31°F (-35°C) with
reliable operation



Water-resistant
design rated IP55
when installed on flat
walls for dust and
water protection



Slim wall profile with
only 5/16" (7.5mm)
protrusion when flush
mounted



LED indication offers
two standby patterns
and four detection
patterns for clear
status signals

www.optexamerica.com

Features & Benefits



Performs Reliably in Extreme Cold

Engineered for stable operation down to -31°F (-35°C), the Clean Wave is ideal for refrigerated warehouses and cold storage. Its IP-rated waterproof design also supports high-pressure cleaning, making it well-suited for food processing environments.

Slim Profile for Seamless Installation

With only 5/16" (7.5mm) of wall protrusion when recessed-mounted, the Clean Wave preserves a clean wall line and prevents dust or water buildup. It's also compatible with standard 1-gang JIS switch boxes and optional surface-mount frames.

Clean, Modern Aesthetic

Designed to blend easily into a variety of interiors, the Clean Wave features a sleek housing and a clearly visible LED indicator that shows detection status at a glance.

Ideal Applications

Food processing plants



Cold storage warehouses



Medical Cleanrooms

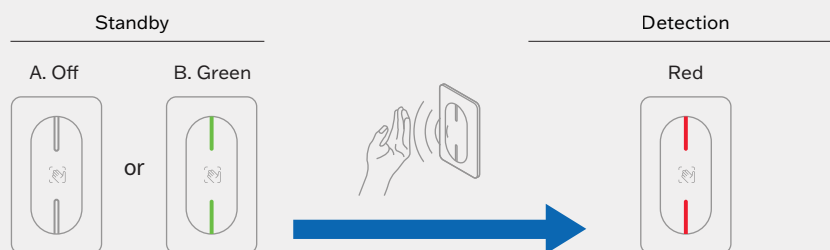


Hospitals



LED Status Indicator

Selectable from 2 standby modes $\times$ 4 detection modes for a total of 8 combinations.



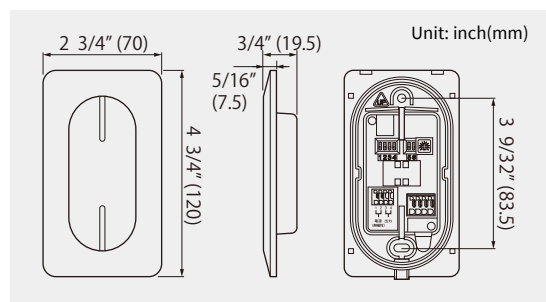
Optional Accessories



MSW-1W

The MSW-1W is a spacer switch frame accessory for exposed (surface-mounted) installation of the Clean Wave.

Dimensions



Before purchasing

- Products are not guaranteed to prevent theft, disasters, or accidents.
- Specs and appearance may change without notice (as of June 2024).
- Printed colors may differ slightly from actual product.
- Certified automatic door technician recommended for installation and setup.

Safety and usage

- Read the instruction manual before use and operate safely.
- Products have a lifespan, please inspect and replace regularly.
- For issues, contact your installer.

Specifications

Product name	Clean Wave Touchless Switch
Model number	A10031589
Detection method	Microwave Doppler Method
Output Frequency	24.15 GHz
Detection Area	Detection at distances less than approximately 500 mm
Power supply	DC12 - 24V
Current consumption	40 mA or less (at DC 24 V)
Output hold time	Approx. 0.5 seconds
Output	Relay contact 1a (voltage-free) 50 V, 0.1 A (resistive load)
Output settings	Pulse / Toggle
Detection buzzer	ON / OFF
Operating temperature	-31° to $+131^{\circ}\text{F}$ (-35° to $+55^{\circ}\text{C}$), no condensation inside the product
Usage location	Indoor, semi-outdoor
Protection rating	IP55 (when installed on a flat wall)
Materials	Main body: ABS/PC, cover: PC
Weight	Approx. 70 g / main body
Chemical resistance	Cleaning agents: hypochlorous acid, isopropyl alcohol
Components	Main body $\times$ 1, cover $\times$ 1, mounting screws $\times$ 2, instruction manual $\times$ 1

