

# HANDS - FREE SWITCHES

## ACTIVE INFRARED HANDS-FREE SWITCHES

**SureWave™** touchless switches include exclusive features not available elsewhere, including an extended range (up to 6 ft.), the option for wireless or hybrid wireless/wired operation and 'short range' activation designed to reduce false activation from highly reflective surfaces! CM-333 and CM-336 models are supplied with (2) 'AA' alkaline batteries. **Outdoor Applications:** Lithium batteries recommended for environments below 32°F (0°C). Rain Hood recommended when installed with direct exposure to rain or snow.



### Specifications - All Models

Technology:	Active Infrared with Micro Burst
Temp Range:	-4°F to 153°F (-20°C to +85°C)
Security:	Fail Secure or Fail Safe

#### Hands-Free Features

- A wide range of wired, wireless and battery powered models
- Adjustable operating range 1" - 6 ft.
- Adjustable time delay
- Super-fast activation response
- Heavy duty relays, for use with all automatic operators and electrified locks
- Narrow, single or double gang faceplates, stainless steel or polycarbonate

**NOTE:** See page 59 for faceplate, graphic and light ring options

## CM-331: WIRED, 1 RELAY

#### Features

- Standard Operating range, 1" - 28"
- Extended Range up to 6 ft.
- Adjustable time delay 1 - 30 seconds
- (4) Selectable operating modes
- Inputs for REX and door contact
- Option for light ring (single gang and double gang SS only)
- Option for plug-in wireless transmitter



### Specifications

Sensors: (2)	Voltage: 12/24V AC/DC
Current Draw:	40mA
Relay Outputs:	(1) Form 'C', 3A @ 30 VDC
Active Output:	9-12V
Inputs:	REX and Door Contact
Operating Modes:	Momentary, Momentary with Alarm, Maintained, Toggle

#### MODEL

MODEL	Description	List Price
CM-331	Hands-free switch, wired, with 1 relay	\$210.00

#### SWITCH KITS

SWITCH KITS	Description	List Price
■ CM-SK331-42SN	(2) CM-331/42SN narrow stainless steel switch, 'Wave to Open' black graphics, (2) CM-23D surface box, (2) CM-TX99 transmitter, (1) CM-RX-90v2 relay receiver	\$700.00
■ CM-SK331-42S-LR	(2) CM-331/42S-SGLR single gang stainless steel switch with light ring, 'Wave to Open' black graphics, (2) CM-34BL surface box, (2) CM-TX99 transmitter, (1) CM-RX-90v2 relay receiver	\$700.00
■ CM-SK331-42SW-LR	(2) CM-331/42SW-SGLR double gang stainless steel switch with light ring, 'Wave to Open' black graphics, (2) CM-43CBLA surface box, (2) CM-TX99 transmitter, (1) CM-RX-90v2 relay receiver	\$700.00
■ CM-SK331-42R-LR	(2) CM-331/42R-SLGR 6" round stainless steel switch with light ring, 'Wave to Open' black graphics, (2) CM-69SER Surface Box, (2) CM-TX99 transmitter, (1) CM-RX-90v2 relay receiver	\$700.00

#### CM-SK331-42S-LR



# HANDS - FREE SWITCHES

## CM-332: WIRED, 2 RELAY



Features	
<ul style="list-style-type: none"> <li>Advanced switch with Door Control Functions</li> <li>Standard operating range, 1" - 28"</li> <li>Extended Range up to 6 ft.</li> <li>Adjustable time delay 1 - 30 seconds</li> </ul>	<ul style="list-style-type: none"> <li>(7) Selectable operating modes</li> <li>Inputs for REX and door contact</li> <li>Option for light ring (single gang and double gang SS only)</li> <li>Option for plug-in wireless transmitter</li> </ul>

### Specifications

Sensors: (2)	Voltage: 12/24V AC/DC
Current Draw:	40mA
Relay Outputs:	(2) Form 'C', 3A @ 30 VDC
Active Output:	9-12V
Inputs:	REX and Door Contact
Operating Modes:	Momentary, Momentary with Alarm, Maintained, Toggle, Security, Extended Range, and Sequence

MODEL		List Price
CM-332	Hands-free switch, wired, with 2 relays	\$240.00

## CM-333: HYBRID, BATTERY POWERED, 1 RELAY



Features	
<ul style="list-style-type: none"> <li>Ideal for retrofit applications using existing wires (only 2 conductors)</li> <li>Long battery life using standard Alkaline batteries</li> </ul>	<ul style="list-style-type: none"> <li>Standard operating range, 1" - 12"</li> <li>Adjustable time delay 1 - 30 seconds</li> <li>Input for Request to Exit or Door Contact</li> <li>Fail Safe/Non-Fail Safe operation</li> </ul>

### Specifications

Sensors:	(1)
Batteries:	(2) 'AA' Alkaline (supplied) (2) 'AA' Lithium Batteries (optional)
Battery Life:	2 yrs (100 operations per day)
Relay Outputs:	(1) Form 'C', 3A @ 30 VDC
Input:	Request to Exit or Door Contact
Operating Modes:	Momentary, Momentary with Alarm, Maintained (Latching)

MODEL		List Price
CM-333	Hands-free switch, battery powered, 1 relay	\$200.00

## CM-336: BATTERY POWERED, WIRELESS



Features	
<ul style="list-style-type: none"> <li>Ideal where switch is difficult / expensive to wire</li> <li>Industry-leading 4 year battery life using standard Alkaline batteries</li> </ul>	<ul style="list-style-type: none"> <li>Low battery &amp; battery test features</li> <li>Standard operating range, 1" - 12"</li> <li>Requires CM-RX90 / 92 wireless receiver</li> <li>Input for Request to Exit or Door Contact</li> </ul>

### Specifications

Sensors:	(1)
Batteries:	(2) 'AA' Alkaline (supplied) (2) 'AA' Lithium Batteries (optional)
Battery Life:	4 yrs (100 operations per day)
Input:	Request to Exit or Door Contact
Output Frequency:	905.25 / 915.25 / 925.25 MHz. (Spread Spectrum)

MODEL		List Price
CM-336	Hands-free switch, battery powered, wireless	\$230.00

SWITCH KITS		List Price
CM-SK336-42S	(2) CM-336/42S single gang stainless steel switch, 'Wave to Open' black graphics, (2) CM-34BL surface box, (1) CM-RX-90v2 relay receiver	\$622.00
CM-SK336-42SW	(2) CM-336/42SW double gang stainless steel switch, 'Wave to Open' black graphics, (2) CM-43CBLA surface box, (1) CM-RX-90v2 relay receiver	\$622.00
CM-SK336-42R	(2) CM-336/42R 6" round stainless steel switch, 'Wave to Open' black graphics, (2) CM-69SER Surface Box, (1) CM-RX-90v2 relay receiver	\$622.00



**NOTE:** See page 59 for faceplate, graphic and light ring options

# HANDS - FREE SWITCHES

## CM-324: 'ORIGINAL' MODEL

Features	
<ul style="list-style-type: none"> <li>Standard operating range, 3" - 26"</li> <li>Adjustable time delay 1 - 5 seconds</li> </ul>	<ul style="list-style-type: none"> <li>Proven performance over tens of thousands of installations</li> </ul>

MODEL		List Price
CM-324	'Original' Hand-free switch, wired, with 1 relay	\$200.00



### Specifications

Sensors: (2)	Voltage: 12/24V AC/DC
Current Draw: 60mA	
Relay Outputs: (1) Form 'C', 5A @ 30 VDC	
Operating Modes: Momentary	

## CM-325: 'SHORT RANGE' MODEL

Features	
<ul style="list-style-type: none"> <li>Designed to eliminate false activations from highly reflective surfaces, commonly found in healthcare applications</li> <li>Adjustable time delay 1 - 5 seconds</li> </ul>	<ul style="list-style-type: none"> <li>Operating range :                             <ul style="list-style-type: none"> <li>- 2" (51mm) minimum (Hand)</li> <li>- 12" (304mm) maximum (Hand)</li> <li>- 18" (457mm) maximum (Mirror)</li> </ul> </li> </ul>

MODEL		List Price
CM-325	'Short Range' Hand-free switch, wired, with 1 relay	\$200.00



### Specifications

Sensors: (1)	Voltage: 12/24V AC/DC
Current Draw: 60mA	
Relay Outputs: (1) Form 'C', 5A @ 30 VDC	
Operating Modes: Momentary	

## ALL HANDS-FREE SWITCH MODEL OPTIONS

NOTE: Unless specified, single gang polycarbonate faceplate will be supplied.

Faceplate Material		List Price
CM-xxxS	Stainless Steel Faceplate	\$20.00
Faceplate Size Options - No Illumination		List Price
CM-xxx/N	Narrow Faceplate. Rubber gasket supplied for weather/water resistance applications. Compatible with CM-23D narrow jamb surface mount box, except CM-336 battery powered wireless models and CM-331/332 models with CM-TX99 plug.	\$0.00
CM-xxx/W	Double Gang Faceplate. Rubber gasket supplied for weather/water resistant applications. Compatible surface mounting box CM-43CBLA	\$0.00
CM-xxx/R	6" Round Stainless Steel Faceplate. Mounts on single gang in-wall box, CM-69SER surface round box or CM-79A semi-flush escutcheon. Not water resistant	\$20.00
Light Ring		List Price
CM-SGLR	Red / Green / Blue selectable. Supplied with stainless steel faceplate	\$52.00
Lithium Batteries		List Price
CX-XXXL1	Add suffix 'L1' for (2) 'AA' Lithium Batteries in place of (2) Alkaline	\$18.00
CM-LP1	(2) 'AA' lithium battery pack	\$20.00
Wireless Options		List Price
CM-TX99	915Mhz. plug-in transmitter for CM-331, 332 & 333 series switches	\$90.00
CM-RX90	Advanced, Compact Single Relay Receiver	\$88.00



Polycarbonate (standard option)



Stainless Steel (CM-XXX/S)



Narrow (CM-XXX/N)



Single Gang (standard option)



Double Gang (CM-XXX/W)



6" Round (CM-XXX/R)

### FACEPLATE GRAPHIC OPTIONS (Add suffix to model above)



Single Gang Faceplate & Light Ring (SGLR)