ø22 CW Series Flush Silhouette Touchless Switches
CW1H/CW4H

Touchless switches reduce risk in public and shared spaces.

- Suitable for indoor and outdoor use
- Adjustable detection distance
- Two-color LED illumination enables identification of output and standby

cURus CE UKCA

- See website for details on approvals and standards.

General Specifications

Operating temperature	When in use: -25 to +55°C When storing: -35 to +70°C (no freezing)
Operating humidity	When in use: 35 to 95%RH When storing: 35 to 95%RH (no condensation)
Detection method	Diffuse reflection method
Adjustable range of maximum detection distance	120 to 350mm (White drawing paper 200 x 200mm square) Approx. 70 to 270mm if the object is a hand (reference value)
Light source	Infrared LED
Rated voltage	12 to 24V DC Allowable ripple rate ±10%
Current draw	40mA maximum (main circuit) 20mA maximum (illumination part)

Control output		Non-contact (photoMOS relay) output Load power supply voltage: 24V DC± 10% max. (Load current: 100mA max.) Voltage drop: 1.0V max. (Load current: 100mA max.)
Protection circuit		Power supply reverse connection protection
Response time		Turn-on ≤ 2.5ms, turn-off ≤ 1ms
Delay time	On-delay	0.5 ± 0.1s (CW1H-DM1TGR-C, CW4H-DM1TGR-C)
	Off-delay	2.0 ± 0.1s (CW1H-DM1TGR-C, CW4H-DM1TGR-C)
Materials	Bezel / Main body	PA66 (CW1H-DM1NGR-C, CW1H-DM1TGR-C) Aluminum alloy (CW4H-DM1NGR-C, CW4H-DM1TGR-C)
	Lens	PMMA
Illumination color		Light 1: Green, Light 2: Red
Degree of protection		IP65/67, UL Type 4X (OUTDOOR USE) (*1)

*1) Front of the panel.

CW1H/CW4H

Package Quantity: 1

Name	Shape	Bezel specification	Part No.	Remarks
CW Series Touchless Switch		Black plastic	CW1H-DM1NGR-C	Without timer
			CW1H-DM1TGR-C	With timer
		Metal	CW4H-DM1NGR-C	Without timer
			CW4H-DM1TGR-C	With timer

- Dedicated cable for external connection is not supplied. (One each of locking ring and rubber washer is supplied)

Accessories

Name / Shape	Description	Part No.	Ordering No.	Package Quantity	Remarks
Cable for external connection	AWG22 Length 200mm (*2)	CW9Z-CN	CW9Z-CN*	1	Semistripped / 10 / 2.0 / Cable length L / (9.7) / (8.8)
Locking ring	Polyamide Resin (black)	CW9Z-LN	CW9Z-LNPN05	1 (5 pcs)	N/A
Rubber washer	Nitrile rubber	CW9Z-WM	CW9Z-WMPN10	1 (10 pcs)	For waterproofing between the mounting panel and the main body. / ø21.6±0.15 / ø28.0±0.15 / t 0.5
Locking ring wrench	Metal (brass)	MW9Z-T1	MW9Z-T1	1	• Used to attach the unit to the panel. • Weight: Approx. 150g / 110 / ø28

- Specify the cable length (mm) in place of * in the part number. (Example: CW9Z-CN200)
*2) Contact IDEC for lengths other than 200mm.