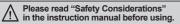
4-CH U-shaped Type

Features

- Highly reliable 4 channel detection
- High-speed response time under 1 ms
- Built-in reverse polarity protection circuit and output short overcurrent protection circuit
- IP65 protection structure (IEC standard)



CE



SENSORS

CONTROLLERS

MOTION DEVICES

SOFTWARE

Specifications

Sensing type Through-beam Sensing distance 40mm Sensing target Opaque materials of min. Ø4.0mm Sensing CH 4 channels Hysteresis Max. 1ms Power supply 18-35VDC ±10% (ripple P-P: max. 10%) Current Max. 50mA Light source Infrared LED (940nm)	(A) Photoelectric Sensors (B) Fiber Optic Sensors (C) LiDAR
Sensing target Opaque materials of min. Ø4.0mm Sensing CH 4 channels Hysteresis Max. 1ms Power supply 18-35VDC ±10% (ripple P-P: max. 10%) Current consumption Max. 50mA Light source Infrared LED (940nm)	(B) Fiber Optic Sensors
Sensing CH 4 channels Hysteresis Max. 1ms Power supply 18-35VDC ±10% (ripple P-P: max. 10%) Current consumption Max. 50mA Light source Infrared LED (940nm)	Fiber Optic Sensors (C)
Hysteresis Max. 1ms Power supply 18-35VDC ±10% (ripple P-P: max. 10%) Current consumption Max. 50mA Light source Infrared LED (940nm)	Fiber Optic Sensors (C)
Power supply 18-35VDC ±10% (ripple P-P: max. 10%) Current consumption Max. 50mA Light source Infrared LED (940nm)	(C)
Current consumption Max. 50mA Light source Infrared LED (940nm)	(C) LIDAR
Consumption Max. 50mA Light source Infrared LED (940nm)	(C) LIDAR
Operation mode Dark ON	(D) Door/Area
Control output NPN open collector output (individual 4 outputs) • Load voltage: max. 35VDC=, • Load current: max. 100mA, • Residual voltage: max. 4VDC==	Sensors
Protection circuit Reverse polarity protection circuit, output short overcurrent protection circuit	(E) Vision
Indicator Output indicator: red LED, power indicator: green LED	Sensors
Insulation resis- tance Over 20MΩ (at 500VDC megger)	(F)
Noise immunity ±240V the square wave noise (pulse width 1µs) by noise simulator	Proximity Sensors
Dielectric strength 1000VAC 50/60Hz for 1 min	
Vibration 1.5mm amplitude at frequency of 10to 55Hz (for 1 min) in each X, Y, Z direction for 2 hours	(G)
Shock 500m/s ² (approx. 50G) in each X, Y, Z direction for 3 times	Pressure Sensors
Ambient sunlight: max. 11,000lx, incandescent lamp: max. 3,000lx (receiver illumination)	(H)
Toblett Sunlight: max. 11,000lx, incandescent lamp: max. 3,000lx (receiver illumination) Illumination Sunlight: max. 11,000lx, incandescent lamp: max. 3,000lx (receiver illumination) Imperature -25 to 65°C, storage: -25 to 70°C Imperature -25 to 65°C, storage: -25 to 70°C Imperature -35 to 85%RH, storage: 35 to 85%RH	Rótary Encoders
Ambient humidity 35 to 85%RH, storage: 35 to 85%RH	(I) Connectors/ Connector Cables/
Protection IP65 (IEC standards)	Sensor Distribution Boxes/ Sockets
Material Case, cover: ABS	
Cable Ø6.0mm, 8-wire (AWG 22, core diameter: Ø1.2mm, number of cores: 60)	
Cable length 4m 2m 3m 4m 2m 3m 4	4m
Bracket — H01/H04 (G01) H03/H04 (G02)	
Accessory M12 bolt: 4, M12 nut: 4, M5 bolt: 2	
Approval CE	
Weight ^{×1} Approx. 510g (approx. 500g) Approx. 1.5kg (approx. 500g)	

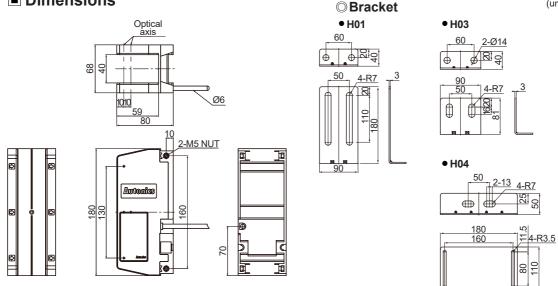
%1: The weight is with packaging and the weight in parenthesis is only unit weight.

% The temperature or humidity mentioned in Environment indicates a non-freezing or condensation environment.

Operation Mode

Operaiton mode	Dark ON
Receiver operation	Received light
Operation indicator (LED)	ON OFF
Transistor output	ON OFF

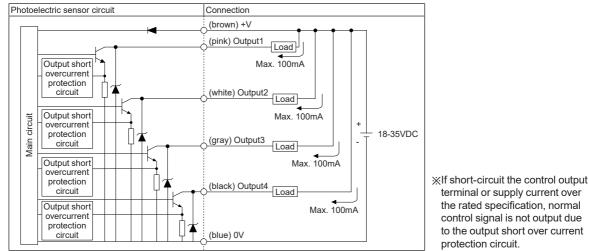
Dimensions



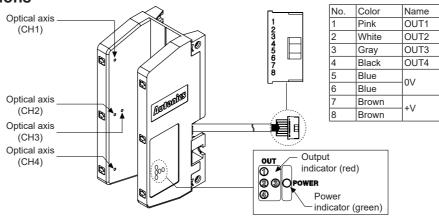
(unit: mm)

3

Control Output Diagram



Connections



Autonics