

F71GPN

Rating/Performance/Specification

Power supply	12 - 24VDC \pm 10% / Ripple 10% or less
Current consumption	40 mA or less
Output mode	Control output (*) : Open collector output / Rating: Source current 100 mA (30 VDC) or less / Residual voltage: 1 V or less Stability output (*) : Open collector output / Rating: Source current 100 mA (30 VDC) or less / Residual voltage: 1 V or less
Operation mode	Light ON/Dark ON selectable
Timer	On delay/off delay/disabled selectable (by switch) Delay time: about 40 ms fixed
Response time	With switch at 4 (turbo function disabled): 250 μ s or less With switch at 8 (turbo function enabled): 500 μ s or less
Light source (wavelength)	Green LED (525nm)
Indicator	Operation indicator: orange LED / Stability (STB) indicator: green LED
Volume (VR)	SENS: sensitivity adjustment volume (8-turn without stopper equipped with indicator) * Light ON/Dark ON selector switch: L.ON for Light ON, D.ON for Dark ON * Timer selector switch: NOR. for ON/OFF operation, ON.D for on delay (40 ms), OFF.D for off delay (40 ms)
Switch (SW)	* Mutual Interference prevention/turbo mode selector switch (common) 8:Mutual Interference prevention for up to 8 units, turbo function enabled 4:Mutual Interference prevention for up to 4 units, turbo function disabled
Mutual Interference prevention	Provided
Short circuit protection	Provided
Material	Polycarbonate
Connection	Attached cable (outer diameter: 4.8mm) 0.2mm ² , 4 cores, 2m
Weight	approx. 80 g (including cables and mounting bracket)
Accessory	Mounting bracket, screwdriver for adjustment, light shielding sticker (excluding H type), instruction manual

(*)Detection can start when more than 0.5 seconds has passed after power-up. If the load and this sensor use different power sources, be sure to turn on the sensor first.

(*1) The detecting distance for high-speed response H type is reduced to roughly 30% of the ordinary type.

Environmental Specification

Ambient light Incandescent lamp: 10,000 lx max. / Sunlight: 20,000 lx max.

Ambient temperature	1-3 adjacent units in operation: -25 - +55 C
	4-10 adjacent units in operation: -25 - +50 C
	11-16 adjacent units in operation: -25 - +45 C
	Storage: -40 - +70 C (non-freezing)
Ambient humidity	35 - 85%RH (non-condensing)
Protective structure	IP40
Noise	Power supply line: 500 V / Cycle: 10 ms / Pulse duration: 1 μ s
	Radiation: 1 kV / Cycle: 10 ms / Pulse duration 1 μ s (with noise simulator)
Vibration	10 - 55 Hz / 1.5 mm double amplitude / 2 hours each in 3 direction
Shock	100 m/s ² / 3 times each in 3 directions
Dielectric withstanding	1,000 VAC for 1 minute
Insulation resistance	500 VDC, 20 M Ω or more