



PZ-V11

Square Reflective Cable Type, NPN



SPECIFICATIONS

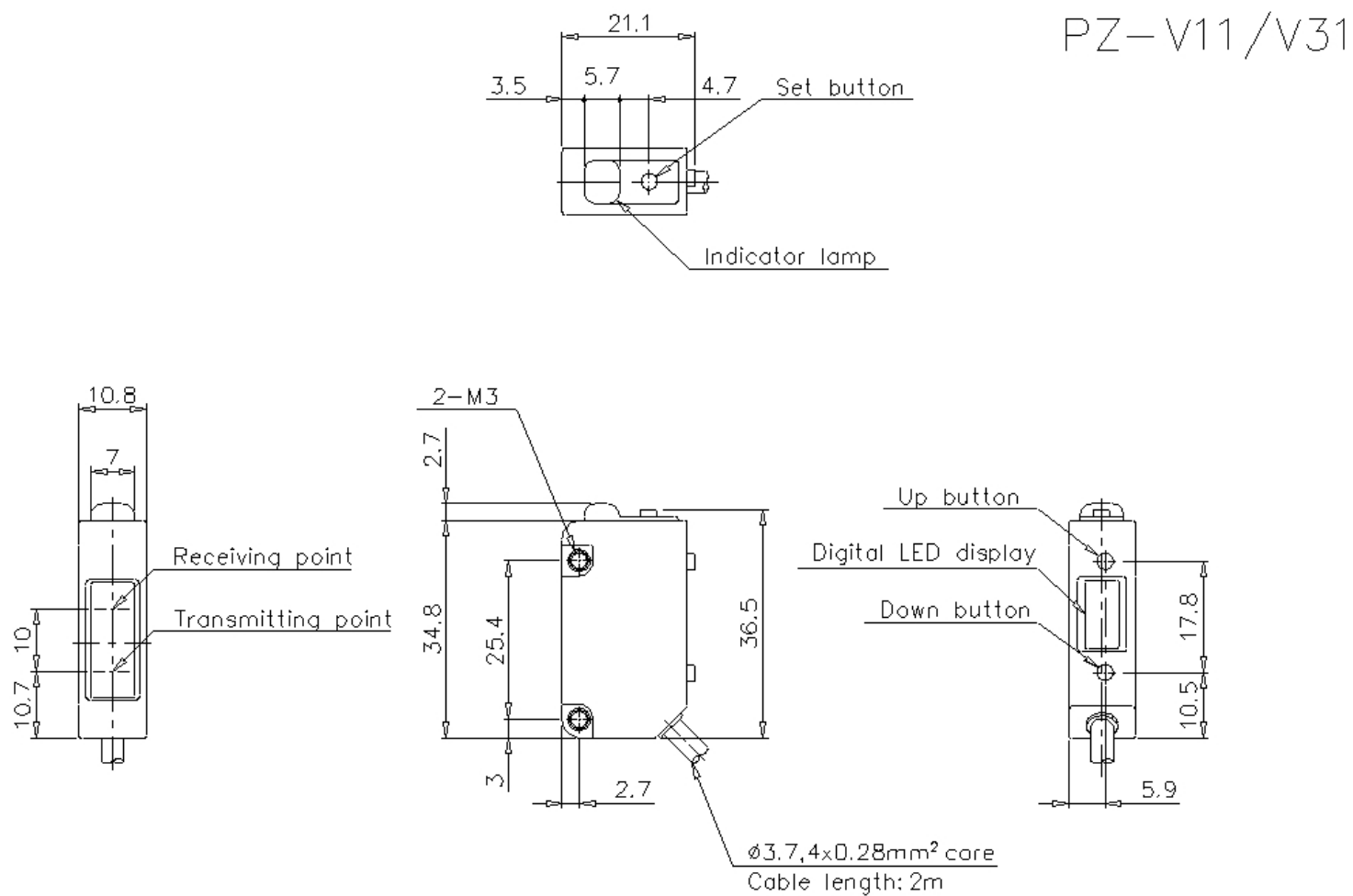
Model		PZ-V11 ^{*1}
Type		Intelligent reflective
Output		NPN
Detecting distance		5 to 100 mm (100 x 100 mm white mat paper) ^{*2}
Setting distance		30 to 100 mm (100 x 100 mm white mat paper)
Light source		Red LED
Sensitivity adjustment		Automatic push button
Response time		1 ms max. (1.2 ms max. with alternate-frequency type, 2 ms max. with M61 only. The alternate-frequency type is indicated by replacing "1" at the end of model name with "5". The models are PZ-M65, M15, M35, M75, V15, V35 and V75.)
Operation mode		LIGHT-ON/DARK-ON (switch-selectable)
Indicator lamp		Output and power: Orange LED, Stable operation: Green LED
Control output		100 mA (24 V) max., Residual voltage: 1 V max.
Digital monitor		7-segment, 3-digit red LED
Protection circuit		Reversed polarity, overcurrent protection, surge absorber
Rating	Power voltage	12 to 24 VDC $\pm 10\%$, Ripple (P-P) 10 % or less
	Power consumption	37 mA max.
Environmental resistance	Enclosure rating	IP67
	Ambient light	Incandescent lamp: 5,000 lux max., Sunlight: 20,000 lux max.
	Ambient temperature	-20 to +55 °C (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm, 2 hours in each of the X, Y, and Z directions
Shock resistance		1,000 m/s ² , 6 times in each of the X, Y, and Z directions
Case material		Glass-fibre reinforced plastic
Accessories		—
Weight		Approx. 55 g (including 2-m cable)

^{*1} The alternate-frequency type is indicated by replacing "1" at the end of model name with "5". The models are PZ-M65, M15, M35, M75, V15, V35 and V75.

^{*2} The detecting distance is obtained with the maximum sensitivity.

Dimensions

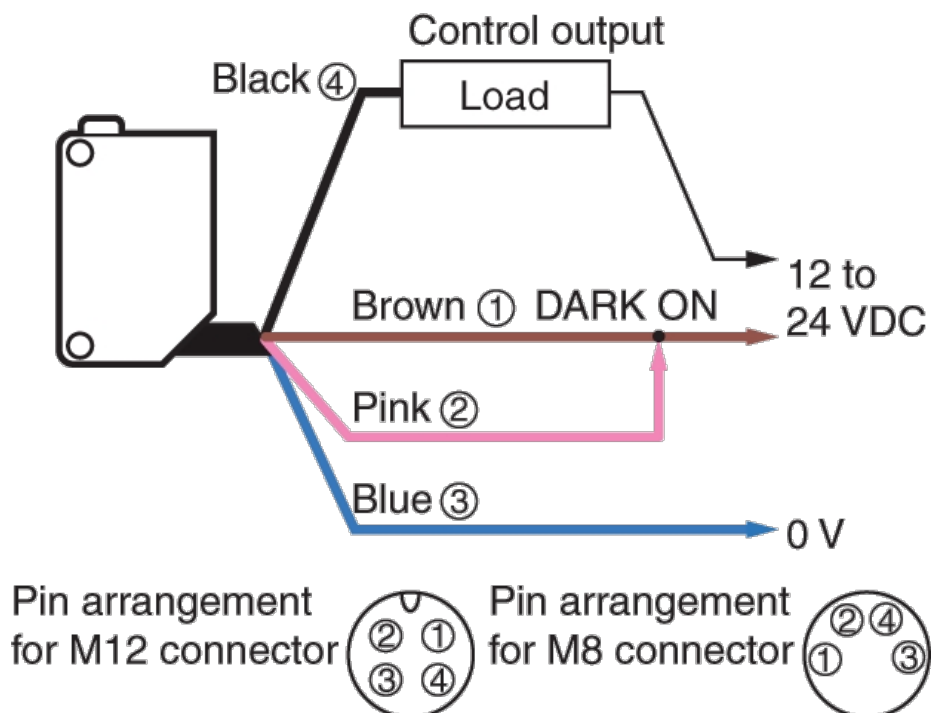
* Download CAD file or product manual for larger image/text and more detail.



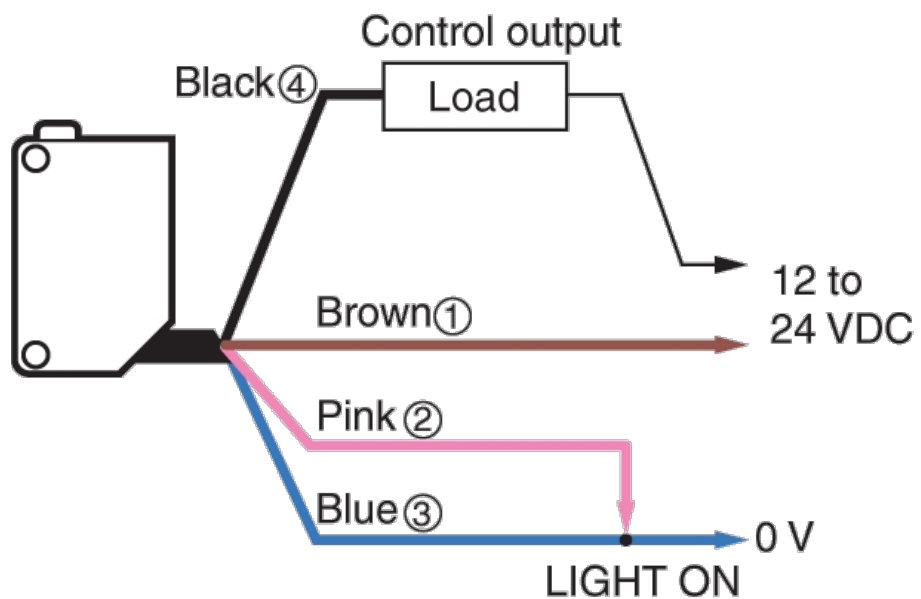
I/O Circuit Connection diagram

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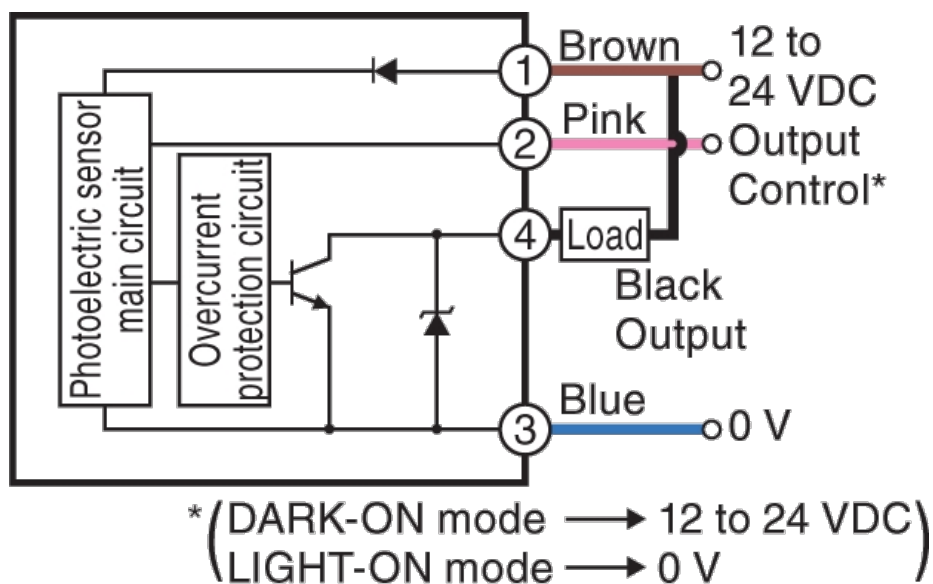
1.DARK-ON mode



2.LIGHT-ON mode



Be sure to connect the pink cable (output control) to the 12 to 24 VDC or 0 V terminal.



Characteristic

* Download CAD file or product manual for larger image/text and more detail.

For all sensors apart from thrubeam types (PZ-M5x), using a sensor with a different frequency can prevent interference.

