

FXA Series

Ambient Light Detection Sensor



Detect light from another source

The FXA-200-Q8 sensor was designed to detect the presence of ambient light.

NPN and PNP outputs

Both NPN and PNP outputs are standard on the sensor.

Quick connect standard

An 8mm connector is standard with the sensor.

Alignment indicator

There is an alignment indicator built into the sensor to assist in the alignment and setup.

Self teach function

The sensor has a self teach function that makes setup quick and easy.

Selectable output operation

The output operation of the sensor can be selected to operate as either Light-On or Dark-On by pushbutton.

On or Off delay timer

The sensor has an adjustable On or Off delay timer. The time value can be set between 0 to 5 seconds.

CE approval

Conforms to Europe's EMC Directive.



Specifications

Model Number	Fiber Optic Brightness Sensor	
		FXA-200-Q8
Sensing Distance	0 ~ 200 mm	
Supply Voltage	10 ~ 30 VDC	
Current Consumption	< 40 mA	
Sensing Output	Both NPN and PNP open collector transistor operating simultaneously	
Output Rating	100 mA	
Response time	< 100 millisecond	
Output Operation	Selectable Light On / Dark On operation	
Short Circuit Protection	Incorporated	
Timer	Selectable On or Off delay timer - 0 to 5 seconds	
Emitting Element	None	
Operation Indicator	Signal, Timer and Alignment	
Sensitivity Adjustment	Pushbutton	
Ambient Temperature	0 to 60°C	
Protection	IP 65	
Housing	Plastic	
Ratings	CE	

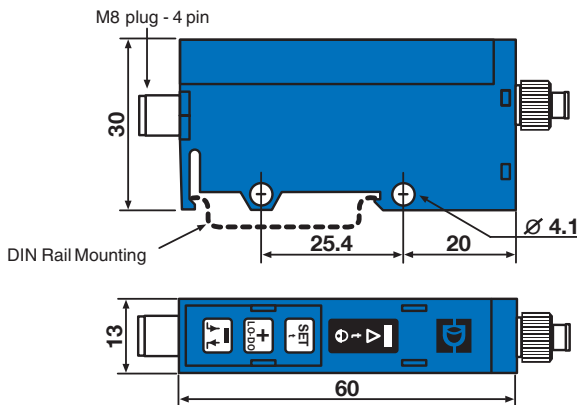
Note: The connecting cable is not included with the sensor, please order separately.

Type	Cable Part Number	Length
Q8	M8-FS4-PUR-2M	2 Meter
	M8-FS4-PUR-5M	5 Meter

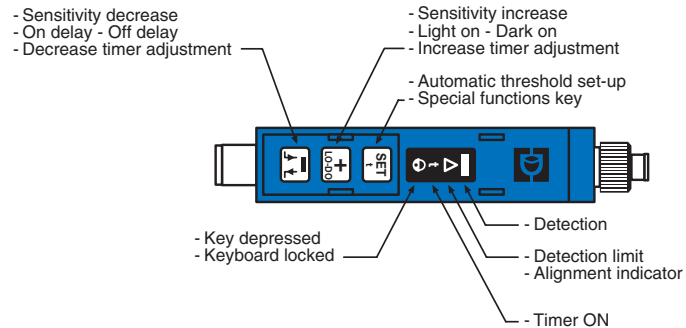
DIMENSIONS (Unit: mm)

FXA-200-Q8

Sensor

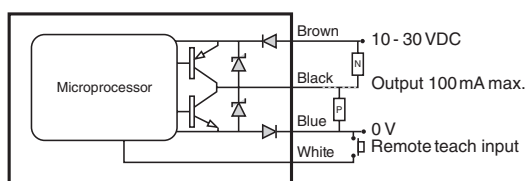


Setup and Adjustment



Note: The fiber optic cable must be ordered separately

Wiring Connection Diagram



Fiber Cables: Sold as a pair

Part Number	Description	Length
FT-B8	M6 threaded	2 meter cuttable
FT-FM2	M4 threaded	
FT-NFM2	M3 threaded	
FT-WS8L	∅ 3mm smooth	
FT-SFM2	∅ 2.5mm smooth	
FT-SNFM2	∅ 1.5mm smooth	