

FILAMENTO 3 Pogo Pin Low Voltage PIR Sensor

Date	Project	Part #



Features

- Low Voltage Infrared Sensor
- 3 Pogo Pin Connectivity
- On/Off Functionality
- Occupancy and Daylight Sensing
- Compatible with wireless control systems:
 - Bi-Level, Non-wireless
 - Synapse
 - Bluetooth
 - Casambi
 - Silvar
- 5 Year Warranty

Technical Parameters

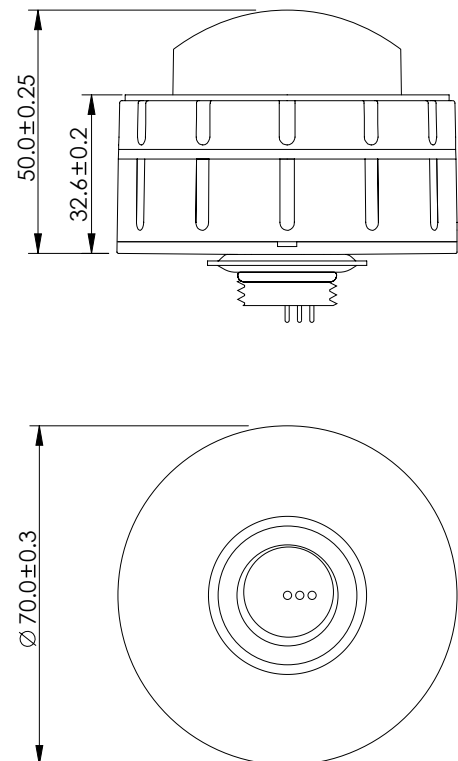
- Rated input voltage: 12-24VDC, maximum range 10-28VDC, <30mA, Voltage ripple within 3%
- Load output: 0-10V DC voltage signal, 25mA sinking current
- Rated power: max 0.5W
- Installation height: 30ft Nominal (20, 25, 45, 50, specifications to be determined)
- Protection class: IP65
- Sensor surface temperature: -30°C to 50°C
- Operating ambient temperature: -30°C to 40°C
- Storage temperature: -40°C to 85°C

Certifications

- UL Wet Listed
- IP65

IP65

Mechanical



1. Unless otherwise specified, all values are typical at 25°C, 240VAC
2. [See limited warranty for details](#)
3. Specifications subject to change without notice

4. Not intended for use in environments containing airborne corrosive agents such as chemicals, solvents, or cutting fluids

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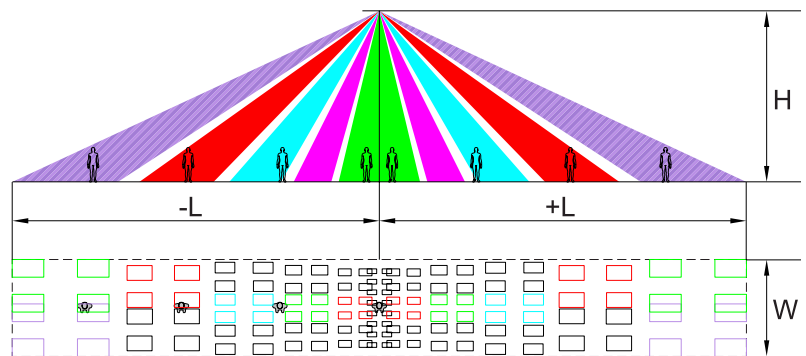
Certifications

Control Type	Sensor Type	Max Mounting Height	Filamento Description	Filamento Part Number	Product Code	P/N Accessory Code
Bi-Level	Aisle	50ft	PIR Sensor, Pogo Pin, Bi-level Occupancy and Daylight, 50ft height, Aisle Optic, White	CTL-3NA	14205	-3NA
Bluetooth	Aisle	50ft	PIR Sensor, Pogo Pin, Bluetooth Occupancy and Daylight, 50ft height, Aisle Optic, White	CTL-3GA	14207	-3GA
Casambi	Aisle	50ft	PIR Sensor, Pogo Pin, Casambi Occupancy and Daylight, 50ft height, Aisle Optic, White	CTL-3CA	14208	-3CA

Sensor Coverage

Minimum Guarantee Detection Range and detection sensitivity under worst-case conditions.
Detection sensitivity definition: <3 steps in any direction

Air Temperature	H		L		W	
	ft	m	ft	m	ft	m
25°C/77°F	20	6.1	TBD	TBD	TBD	TBD
	25	7.6	40	12.2	13.1	4.0
	30	9.1	50	15.2	13.1	4.0
	35	10.7	52	15.9	13.1	4.0
	40	12.2	55	16.8	13.1	4.0
	45	13.7	TBD	TBD	TBD	TBD
	50	15.2	TBD	TBD	TBD	TBD
40°C/104°F	20	6.1	TBD	TBD	TBD	TBD
	25	7.6	30	9.1	13.1	4.0
	30	9.1	26	7.2	13.1	4.0
	35	10.7	20	6.1	13.1	4.0
	40	12.2	13	4.0	13.1	4.0
	45	13.7	TBD	TBD	TBD	TBD
	50	15.2	TBD	TBD	TBD	TBD



Coverage adjustment with plastic cover on lens

Air Temperature	H		L		L1		W	
	ft	m	ft	m	ft	m	ft	m
25°C/77°F	20	6.1	TBD	TBD	TBD	TBD	TBD	TBD
	25	7.6	40	12.2	3.9	1.2	13.1	4.0
	30	9.1	50	15.2	5.9	1.8	13.1	4.0
	35	10.7	52	15.9	6.2	1.9	13.1	4.0
	40	12.2	55	16.8	6.5	2	13.1	4.0
	45	13.7	TBD	TBD	TBD	TBD	TBD	TBD
	50	15.2	TBD	TBD	TBD	TBD	TBD	TBD
40°C/104°F	20	6.1	TBD	TBD	TBD	TBD	TBD	TBD
	25	7.6	30	9.1	3.2	1	13.1	4.0
	30	9.1	26	7.2	3.0	0.9	13.1	4.0
	35	10.7	20	6.1	2.6	0.8	13.1	4.0
	40	12.2	13	4.0	2.0	0.6	13.1	4.0
	45	13.7	TBD	TBD	TBD	TBD	TBD	TBD
	50	15.2	TBD	TBD	TBD	TBD	TBD	TBD

