INGY fixture modules & thermal sensor

Mesh network sensors: INGY modules for standard luminaires or factory integration, plus camera-free people counting on INGY or Casambi

Made by DANLERS Lighting Controls

INGY modules add presence and daylight sensing to a luminaire, either retrofitted to standard fixtures in the field or built in at the factory. That makes them a natural fit for Energio Lighting private-label fixtures. The thermal sensor goes further, combining PIR with thermal sensing and on-board AI to count people and locate them without a camera. It comes in INGY and Casambi versions and works as part of one of those systems, not on its own.

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cameras for people counting

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formats: flush, surface, high bay, module

OEM
factory or field install

Features

- Works with standard luminaires or integrated during production
- PIR occupancy plus photocell for daylight harvesting
- 0-10V, DALI or switched outputs
- Ceiling flush, ceiling surface, high bay and MOD17 module formats
- Thermal sensor: PIR + thermal sensing with embedded AI, INGY or Casambi version
- Privacy-protective head count and location detection, no camera
- Thermal sensor requires an INGY or Casambi system; it does not operate stand-alone
- 12 V DC low-voltage platform


INGY luminaire module


Thermal sensor


Thermal sensor, side view

Specifications

Specification	INGY sensors	Thermal sensor
Detection	PIR + photocell	PIR + thermal sensing with embedded AI
Data	Presence, daylight	Presence, head count, location
Outputs	0-10V, DALI or switched	DALI control lines
System	INGY mesh	Requires an INGY or Casambi system (not stand-alone)

Specification	INGY sensors	Thermal sensor
Versions	—	INGY or Casambi
Supply	12 V DC Class 2	12 V DC Class 2
Mounting	Ceiling flush, surface, high bay, luminaire module	Ceiling flush
Listing	UL 60730-1 / CSA E60730-1 (DANLERS 12 V platform)	UL (per model designation)

Ordering information

Model	Format	Output
INGY-CEFL10V12V	Ceiling flush	0-10V
INGY-CEFLDALI12V	Ceiling flush	DALI
INGY-CEFLSW12V	Ceiling flush	Switched
INGY-CESR10V12V	Ceiling surface	0-10V
INGY-CESRDALI12V	Ceiling surface	DALI
INGY-CESRSW12V	Ceiling surface	Switched
INGY-HBWD10V12V	High bay	0-10V
INGY-HBWDDALI12	High bay	DALI
INGY-HBWDSW12V	High bay	Switched
INGY-MOD17M10V12V	Luminaire module	0-10V
INGY-MOD17MDALI12V	Luminaire module	DALI
INGY-THFLDALI12VUL	Thermal sensor, ceiling flush, INGY version	DALI
Casambi version	Thermal sensor, ceiling flush, Casambi version	Part number from DANLERS

Applications

- Private-label Energio Lighting fixtures
- Retrofit of existing luminaires
- Meeting rooms and space planning on INGY or Casambi projects (thermal)
- HVAC demand control from real headcount

Application notes

- Detection ranges and mechanical data follow the matching DANLERS 12 V platform formats (see ES-TS-104).
- The thermal sensor needs an INGY or Casambi system to work. Specify the version that matches the project's system; it cannot run stand-alone.
- Thermal sensor coverage, accuracy and dimensions are not yet published; request the DANLERS data sheet before specifying.

Data from DANLERS America product listings (INGY controls, thermal sensor). Energio Sensors products are manufactured by DANLERS and specified, sold and supported in North America by Energio Brands. Specifications are subject to change; confirm against the manufacturer's current data before submittal. Product images courtesy of the manufacturer. All trademarks belong to their respective owners.