

Transcend[®] Wireless Ambient Light Sensor

molex[®]

Transcend[®] Ambient Light Sensors are wireless and self-powered, providing a cost-effective way to control energy use in unoccupied rooms

The Transcend[®] Ambient Light Sensor measures and reports the level of available natural light, enabling energy-saving daylight harvesting capabilities when used within the Transcend[®] Network Connected Lighting system.



Features and Benefits

Interoperable	Fully compatible with other Transcend [®] and EnOcean-enabled wireless devices
Wireless	Communicates wirelessly with other Transcend [®] devices and Transcend [®] Network Connected Lighting System
Powered by solar energy	No wiring or battery scheme needed
Mounts on any ceiling material	Easy, fast installation

Specifications

Power Supply	Solar energy harvesting
RF Communications	902MHz, 868MHz
Transmission Range	80 ft. (25m)
Measurement range/resolution	0 to 1020 lux / 4 lux
Typical accuracy	+/- 5% at full scale / 68°F
Measurement interval	1 minute
Transmission interval	Immediate if change >50lux vs. last transmission; heartbeat every 20 to 30 minutes, at random
EnOcean Equipment Profile (EEP)	A5-06-02
Minimum Operating Light	50 lux (for auto-off only)
Agency Compliance	FCC, IC, RoHS
Dimensions	6.30" H x 2.36" W x 1.15" D (160mm x 60mm x 37mm)
Mounting Height	Ceiling, near ambient light source (window)

Ordering Information

Molex Number	Description
180997-0006	Ambient Light Sensor, Ceiling Mount, 902MHz
180997-0106	Ambient Light Sensor, Ceiling Mount, 868MHz

Mouser Electronics

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