

TEKLINK™ TL1000/2000 BORG

Board on Radio Grid and Sensor Device Specification

PRODUCT FEATURES:

- » Wireless OR Wired Communication
- » Configure System through Web Browser
- » Integral Occupancy Detection
- » Monitor Occupancy Events



Sensor

SPECIFICATIONS:

PRODUCT BRIEF: TekLink™ TL1000 and TL2000 are cloud-based, adaptive lighting control systems that utilize wired and wireless (respectively) communication between system nodes. The system consists mainly of luminaire-integrated lighting controllers (BORGS), integrated Sensors, Bridges, and a Gateway. This specification provides information on the stand-alone BORG/Sensor combo unit. Please see the [Bridge and Gateway Specification](#) sheet for additional system information.

TEKLINK TL1000/2000 BORG: Integral controllers located in LED luminaires, sensors, and as stand-alone devices; BORGS (Board on Radio Grid) measure and record system data and activity. The LED luminaires react to changes in the environment based on a programmable lighting schedule. TL1000 BORGS utilize wired (shielded twisted pair) communication to exchange information built on the CAN bus protocol. TL2000 BORGS use wireless communication (900 MHz), designed to the IEEE 802.15.4 standard.

TEKLINK SENSOR: Operates by low-voltage power provided by the BORG or LED driver and provides Passive Infrared (PIR) occupancy detection with integral light level sensing. Lens options provide 360° coverage at various mounting heights and coverage areas listed in the table below.

HOUSING: Seam-welded 18-gauge CRS. White TGIC polyester powder coat finish with five-step pre-treatment. Salt spray test: 1,000 hours. Housings provided with multiple 7/8" and 1" conduit knockouts. Silicone gasketing. Sensor housing includes a tamper-resistant Torx® fastener.

INSTALLATION: Suitable for mounting to wall or ceiling surfaces with four-point mounting. All signal cabling shall be wired Class I with 18AWG, 600V TFFN wire. Suitable for temperatures of -40°C to 40°C.

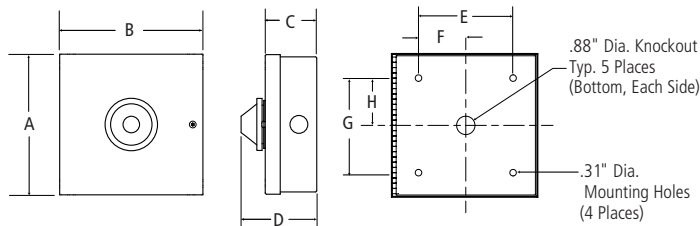
WARRANTY: Limited five (5) year warranty on sensors and controls.

LISTINGS: SENSOR: Infrared sensor is Listed to UL508 for Wet Location, Covered Ceilings and Certified IP65 per IEC 60529. All listings and certifications by Intertek Testing Laboratory.



ORDERING INFORMATION – SENSOR MODULE

Model	TekLink	Controls Kit
TekLink Sensor/BORG Qty TL-BORG1 One TL-BORG2 Two	TekLink TL1000 TL2000	Control Kit < > Internal Code



DIMENSIONAL DATA (IN INCHES) SENSOR MODULE

	A	B	C	D	E	F	G	H
1 Infrared Sensor (IR)	6.85	6.97	2.53	3.71	4.50	2.25	4.50	2.25
2 Infrared Sensors (IR)	6.85	15.35	2.53	3.71	12.00	6.00	4.50	2.25

Lens Option	Lens Angle	Maximum Coverage	Mounting Height
L488	360°	48' diameter	8'
L6020	360°	60' diameter	20'



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