TEKLINK™ TL50 FOR HELOS™
Control System Specification & User Guide

HPG-TL50 SYSTEM

PRODUCT FEATURES:

» Embedded Microwave occupancy detection

» Sensor settings configurable via Remote Controller*

» Adjustable dimmed-state light level

» Adjustable occupancy time-out delay

» Daylight Harvesting

SPECIFICATIONS:

TEKLINK TL50M SENSOR: Embedded microwave occupancy detection with adjustable dim-level, sensor sensitivity, time-out delay, and turn-off delay settings via remote controller*. Microwave sensing operates at 5.8 GHz (continuous-wave radar) and provides 360° coverage at various mounting heights and coverage areas.

TEKLINK TL50DM SENSOR: Daylight harvesting functionality included along with TL50M sensor features listed above. When sufficient natural light is detected, daylight harvesting function overrides occupancy detection function.

INSTALLATION: Control components and sensor integrated in HPG14 housing at factory.

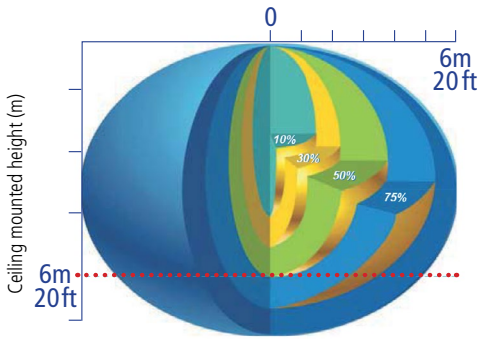**WARRANTY:** Limited five (5) year warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP66 rating per IEC 60598 standard. Suitable for installation into -35°C to 40°C ambient environments, unless otherwise noted. Passes 3G vibration test per ANSI C136.31-2001.

NOTE: See HPG14 spec sheet for TekLink™ TL50 control system ordering information.

*TL50 Remote controller (TL50-RC1) sold separately. Please consult factory.

LED | **ETL** INTERTEK LISTED US | **IP66** | **3G** | **PEACE OF MIND** Guarantee®
DIRECT SURFACE MOUNT ONLY

COVERAGE PATTERN

Ceiling mounted detection pattern

NOTE: Occupancy pattern dimensions are maximums, may vary due to environment

BASIC OPERATION

Red LED flashes upon settings change.

Factory Default

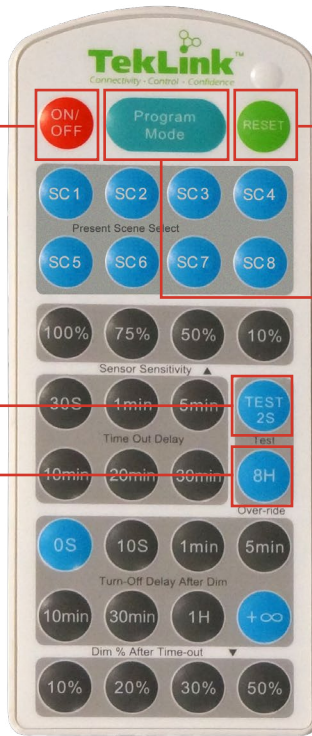| Time Out	Dim%	Daylight	Detection
20 min	30%	Inactive	100%

TL50 Remote Controller Instructions*

ON/OFF OVER-RIDES

Pressing **ON/OFF** will move the luminaire light output to 100% or 0%, respectively.

TEST 2S puts the system into test mode. In test mode, the Time Out Delay is reduced to 2 seconds.

8H will move the luminaire light output to 100% for 8 consecutive hours

NOTE: Occupancy detection and daylight harvesting are disabled in all Over-ride modes

ESCAPE FUNCTIONS

RESET reverts sytem back to factory settings listed below:

Time Out Delay: 20 minutes
Turn-Off Delay: +∞
Dim% After Time-out: 30%
Daylight: Inactive

PROGRAM MODE is used to:
1) Exit an Over-Ride function (ON/OFF, TEST 2S, 8H)
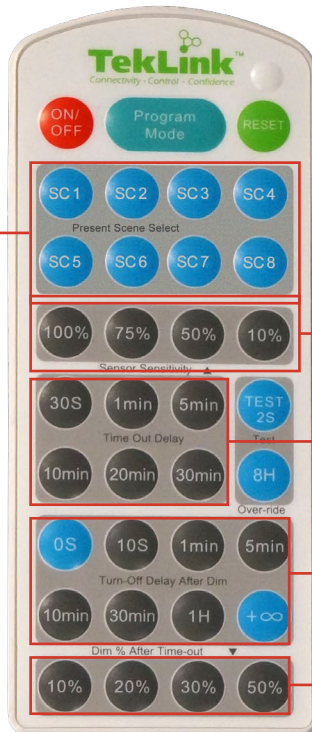2) Restore previous settings

AUTO SETTINGS

The TL50 remote controller contains eight available scenes which set the Occupancy Time-out period, Turn-off Delay, Non occupancy Dim %, and Occ Light Level Target with the push of a button.

Below are the pre-set conditions for each button:

BUTTON	OCC TIME-OUT PERIOD	TURN-OFF DELAY	NON-OCC DIM %	OCC LIGHT LEVEL TARGET LIGHT
SC1	20 min	∞	10%	5 ft-c
SC2	20 min	∞	30%	5 ft-c
SC3	10 min	∞	10%	10 ft-c
SC4	10 min	∞	30%	10 ft-c
SC5	5 min	∞	10%	5 ft-c
SC6	5 min	∞	30%	5 ft-c
SC7	5 min	∞	50%	5 ft-c
SC8	5 min	∞	50%	10 ft-c

Light Level Targets are inactive for TL50M Version

MANUAL SETTINGS

Sets sensor sensitivity to occupancy detection

Sets the time period from when the system will go from the Occupancy light level to the Non-Occupancy Dim %

Sets the time period from when the system will go from the Non-Occupancy Dim % to OFF.

Non-Occupancy Dim Level %

*TL50 remote controller (TL50-RC1) sold separately. Requires two AAA batteries (not included).