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

TD-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 SENSOR: Embedded microwave occupancy detection and daylight sensing 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. Details of sensor functionality and coverage area can be seen in the pages that follow.

HOUSING: Marine-grade die-cast aluminum with closed-cell gasketing. TGIC polyester powder coat finish with 5-step pre-treatment to match TD17 finish selection.

INSTALLATION: Control components and sensor housing pre-attached to TD17 housing at factory.

WARRANTY: Limited five (5) year warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. UL certified IP65 per IEC 60598. Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory.

NOTE: See TD17 spec sheet for TekLink™ TL50 control system ordering information.

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

DIMENSIONAL DATA

TOP VIEW

17.00"
43.18 cm

*5.50"
13.97 cm

Ø.312"
Ø.79 cm

3/4 (1.91 cm) NPS

9.31"
23.65 cm

*5.50"
13.97 cm

SIDE VIEW

1.36"
3.45 cm

9.00"
22.86 cm

17.00"
43.18 cm

COVERAGE PATTERN

0

6m
20ft

10%

30%

50%

75%

Ceiling mounted height (m)

6m
20ft
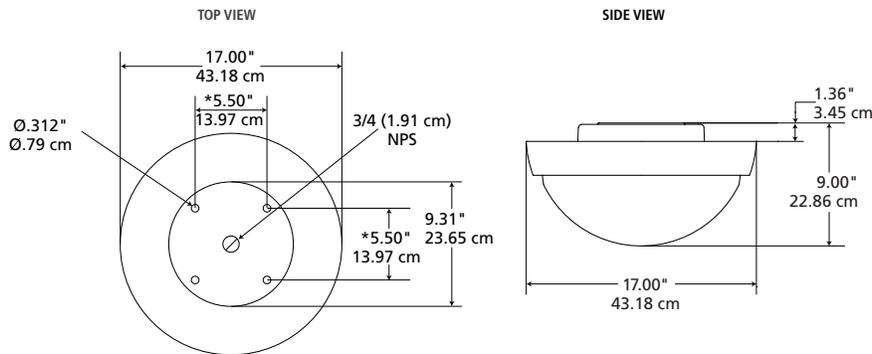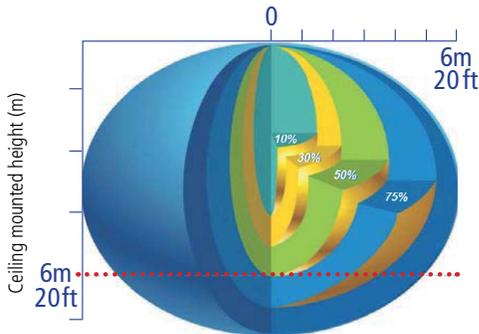
Ceiling mounted detection pattern

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
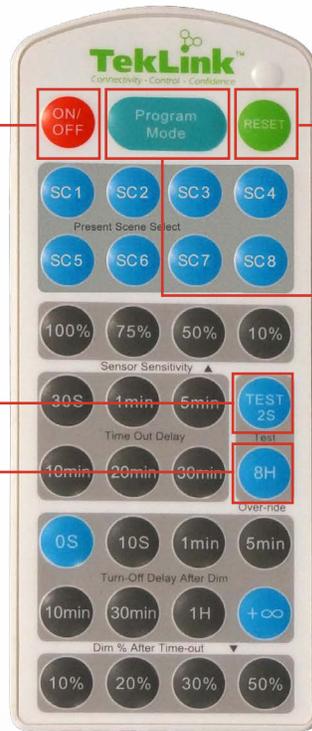
ESCAPE FUNCTIONS

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
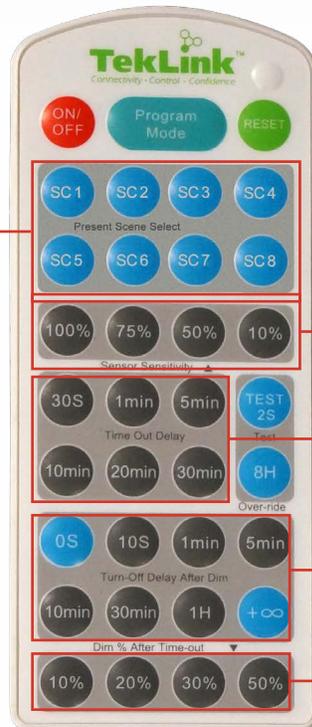
MANUAL SETTINGS

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).