AirLink™
enabled by SYNAPSE

Wireless Lighting Controller 7 Pin Twist Lock

The TL7 is an intelligent wireless lighting controller with exceptional fault tolerance and a multitude of features. Each TL7 provides intelligent On/Off switching, dimming, highly accurate power metering, digital sensor input and status monitoring of the lighting fixtures.

FEATURES & SPECIFICATIONS

Construction

- Seamless integration into the AirLink Site Manager system.
- NEMA/ANSI C136.41 7-pin receptacle support
- Integrated photocell
- IP66 rated enclosure
- Built in surge protection ANSI C136.2 6kV

Controls

- Flexible 0-10V dimming controls
- Remote control and scheduling
- Utility grade power monitoring ANSI C136.52 (2% accuracy)
- Digital sensor input for motion sensing
- Secure over-the-air upgrades to support future enhancements

Electrical

- 120- 480V 60 Hz
- Load rating: 5A @ 100V to 277V (+- 10%), 3A @ 347V, 2A @ 480V
- Dimming control: 0-10V with short circuit protection

- Dimming output: max current 20mA
- Sensor Input: one 0-24V motion sensor and one 0-10V analog/photocell
- Radio: SNAP 2.4GHz; 802.15.4 ; +20dBm Transmit Power: -103 dBm Receive Sensitivity
- Power readings: voltage, watts

Installation

- Operating environment: -40 F to 158 F (-40 C to 70 C); 20% to 90% RH non condensing
- Connects to an ANSI C136.41 7-pin receptacle

Warranty

- 5 year limited warranty

Listings

- UL Listed
- FC, IC certified
- DLC

ORDERING GUIDE

Catalog Number	Description	Part #
ALSC UNV TL7	AirLink Synapse 7 pin twist lock photocell controller, 120/277V	661410
ALSC HV TL7	AirLink Synapse 7 pin twist lock photocell controller, 347/480V	679948

PRODUCT DIMENSIONS