

## Twist Lock Lighting Controller



Includes Photocell, Power Monitoring, and External Sensor Input

| Specification Data |  |
|--------------------|--|
| Job Name           |  |
| Type               |  |
| Catalog #          |  |
| Comments           |  |

### Product Overview

The **TL7-B1** is an intelligent wireless lighting controller with exceptional fault tolerance and a multitude of features. Each TL7-B1 provides intelligent On/Off switching, dimming, control, highly accurate power metering, digital sensor input, and status monitoring of your lighting fixtures.

### Key Features:

- Integrated Photocell
- ANSI C136.41 7-pin Dimming Receptacle Support
- Utility grade power monitoring
- Remote control and scheduling
- Flexible Dimming Controls
- Secure, over-the-air upgrades to support future enhancements
- Seamless integration into the SimplySNAP lighting control system
- Digital sensor input for motion sensing

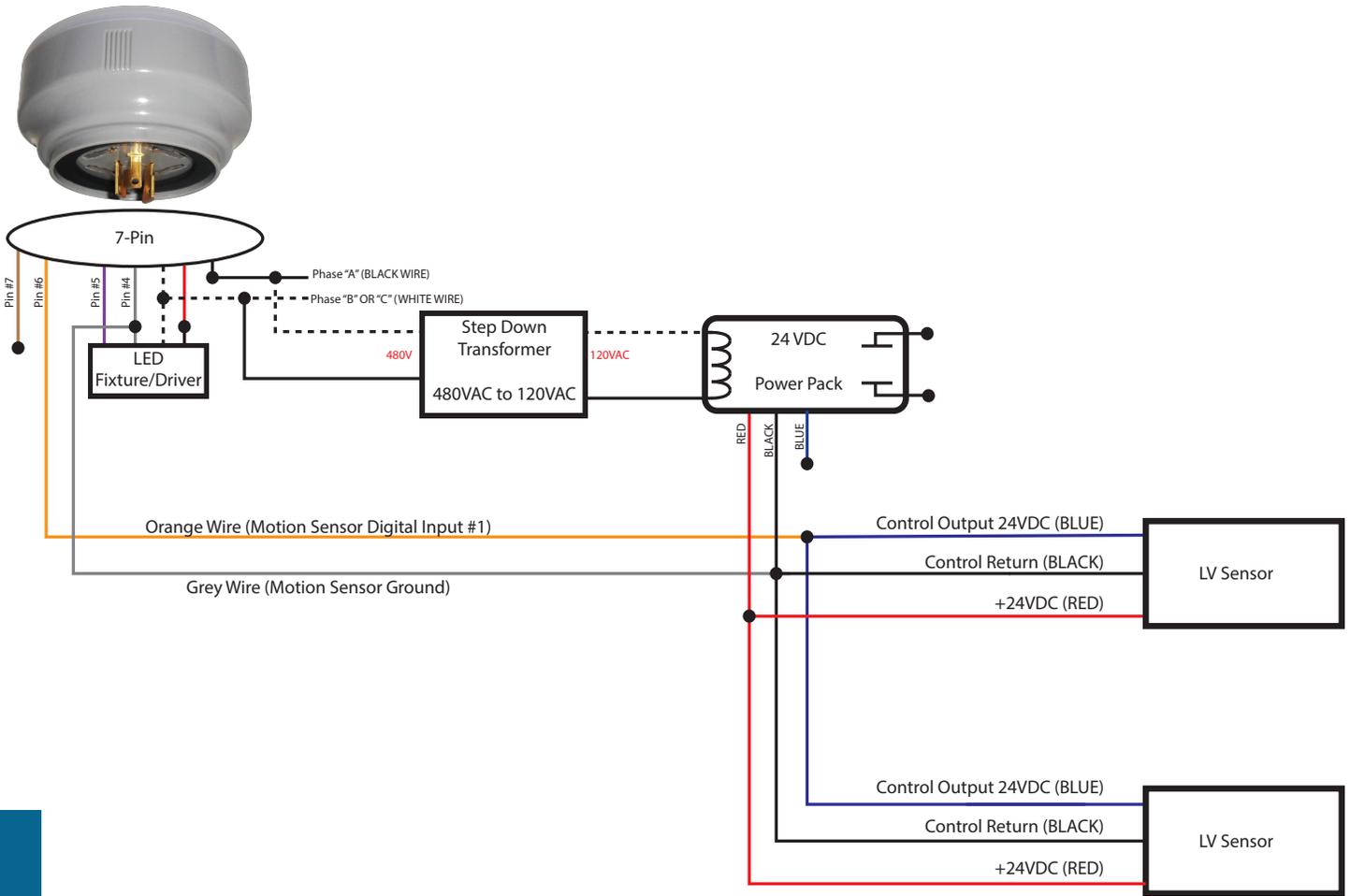
| Product # | Description  |
|-----------|--|
| TL7-B1    | Twist-lock Wireless Lighting Control with Built in Photocell |

|                              |  |
|------------------------------|--|
| <b>Dimensions</b>            | 4.53" W x 2.68" H<br>(115mm W x 68mm H)  |
| <b>Input Power</b>           | 100 to 277 +/- 10% (Max 305V),<br>50/60Hz                                      |
| <b>Operating Environment</b> | -40°C to +70°C; 20% to 90% RH<br>non-condensing; IP66                          |
| <b>Switched Output</b>       | Default ON   |
| <b>Load Rating</b>           | 5A @ 100V to 277V (+/- 10%)  |
| <b>Dimming Control</b>       | 0-10 V with short circuit<br>protection  |
| <b>Dimming Output</b>        | Maximum Current 10 mA  |
| <b>Radio</b>                 | SNAP 2.4GHz; 802.15.4<br>+20dBm Transmit power<br>-104 dBm Receive Sensitivity |
| <b>Sensor Input</b>          | One digital input can be used<br>for motion-based controls                     |
| <b>Power Monitoring</b>      | Utility Grade - 2% Accuracy  |
| <b>Power Readings</b>        | Voltage, Watts   |
| <b>Certifications</b>        | FCC, IC, cULus   |
| <b>Warranty</b>              | 5 Years  |

To learn more, call or visit:  
[synapsewireless.com](http://synapsewireless.com)  
 (877) 982-7888



# TL7-B1 Wiring Diagram



Lighting Controls

