

POWER CONTROLS - DIMMING NODE



FEATURES & SPECIFICATIONS

General Description

The Dimming Node is an intelligent wireless lighting controller that provides light monitoring and control with utility-grade power monitoring. Each Dimming Node provides intelligent ON/OFF switching, dimming, control, and constant status monitoring of your lighting fixtures.

Key Features:

- Integrated Photocell
- ANSI C136.41 5-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 lighting control system

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

WIRELESS CONTROLS (ordered separately; field installed)	
MODEL	DESCRIPTION
SY-TL5-B1	Wireless node (120,277 only)

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DIMMING NODE DIAGRAM

