

## LIGHT/LOAD CONTROLS



The AccelTex Solutions EnergyLynk light/load controller is used to monitor power consumption and control lighting and other devices. When used in-line, this controller will allow wireless policy control, monitoring and reporting of the energy consumed by the device or set of devices, like a bank of lights.

Additional sensors can be used to further realize the energy saving benefits of these devices.

### Installation Benefits

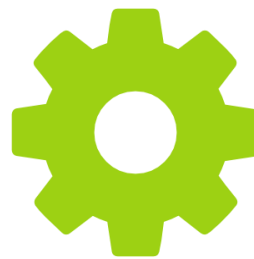
- Measures the source of energy usage to wirelessly monitor, control and set policy for energy consumption
- Does not introduce another wireless technology that creates interference, security issues or staff support limitations
- Provides enterprise-class security features
- Broadens the scope of what you “thought” your Wi-Fi network could do
- Realizes the Internet of Things for enterprises

### Benefits to the Bottom Line

- Lowers Operating Expenses (OPEX)
- Installs in pre-existing light fixtures
- Increases the ROI and leverages existing enterprise-class wireless network
- Provides a better understanding of energy consumption and waste
- Identifies operational inefficiencies and isolates unused equipment

### Benefits to the Environment

- Enables reporting on sustainability efforts
- Supports green initiatives
- Allows benchmarking of energy efficiency and ability to project effect of change
- Helps to identify best practices



### Light/Load Control Features

- Easy to Install and Implement
- On/Off and Dimming Control
- Manual (Local Switch) Override
- Smooth Dimming (0-100%)
- Integrates with Sensors
- Controls Individual Lights or Bank of Lights
- Supports 2-Way and 3-Way Switching Environments

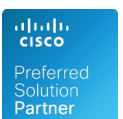
### Wireless Features

- 802.11b/g/n Protocol
- Individually Addressable
- Easy Provisioning
- Supports Enterprise Security
- Local Control via Wi-Fi
- Supports Over the Air Firmware Upgrades
- Reset Function and Working Signal Light



### Power Measuring Features

- Instantaneous Power Monitoring
- EnergyLynk Cloud Manager Compatible
- Set Policy and Record Energy usage through EnergyLynk Cloud Manager

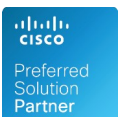




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ATS-DWLLC-V2a	
<b>Electrical Specifications</b>	
Input Voltage	24-277 VAC
Input Frequency	50-60 Hz
Relay	Normally Closed (SPST)
Max Current	5 A
Voltage Measurement	3% Accuracy
Current Measurement	3% Accuracy
Dimming Protocols	0-10 V and PWM
<b>RF Specifications</b>	
Wireless Frequency	2.4-2.495 GHz
Wireless Protocol	IEEE 802.11b/g/n
Output	+15 dBm (802.11b) + 11 dBm (802.11n)
Rx Sensitivity	-93 dBm
Security	WPA/WPA2-Personal, WPA/WPA2-Enterprise (PEAP, EAP-FAST, EAP-TLS, EAP-TTLS)
Supported Data Rates	72, 65, 58, 43, 29, 22, 14, 7 mbps (802.11n); 54, 48, 36, 24, 18, 12, 9, 6 Mbps (802.11g); 11, 5.5, 2, 1 Mbps (802.11b)
<b>Mechanical Specifications</b>	
Dimensions	5.12" L x 1.68" W x 1.46" H (130mm L x 46.2mm W x 37mm H)
Weight	0.37 lb (0.168 kg)
Installation	Molded Screw Tabs
Housing Material	Polycarbonate
Wire Gauge	14#: Red, Red/White, Black, White, Yellow; 26#: Purple & Grey
Sensor Port Connection	RJ-12 Jack
<b>Environmental Specifications</b>	
Installation Environment	Indoors
Operating Temperature	-7 to 122°F (-22 to 50°C)
<b>Certifications</b>	
Cisco Compatible	
Patent Pending	
UL 916 & CSA C22.2 (File E473184)	
Suitable for use in Other Environmental Air Space (Plenums) in accordance with Section 300.22(C) of the National Electric Code.	
UL 2043 Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces.	
Suitable for installation in accordance with Section 300 of NFPA 70, Chapter 4 of NFPS 90A, Section 602 of the International Mechanical Code, and Section 602 of the Uniform Mechanical Code.	





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<b>Power Source Support (Input)</b>	
AC Max Voltage	277 V
AC Max Current for Resistive Load	16 A
DC Max Voltage	24V
DC Max Current for Resistive Load	16 A
<b>Resistive Load Electrical Ratings</b>	
Max Steady State Current	16 A
Max Inrush Current	117 A
Max Input Voltage	277 V
<b>General Use Electrical Ratings</b>	
Max Steady State Current	5 A
Max Inrush Current	117 A
Max Input Voltage	277 V
<b>Incandescent Load Electrical Ratings</b>	
Max Steady State Current	5 A
Max Inrush Current	117 A
Max Inrush Current	277 V
<b>Motor Electrical Ratings</b>	
Max Steady State Current	5 A
Max Inrush Current	117 A
Max Input Voltage	277 V
<b>Electronic Ballast Electrical Ratings</b>	
Max Steady State Current	5 A
Max Inrush Current	117 A
Max Input Voltage	277 V
<b>Magnetic Ballast Electrical Ratings</b>	
Max Steady State Current	5 A
Max Inrush Current	117 A
Max Input Voltage	277 V
<b>Electronic Low Voltage Transmitter Electrical Ratings</b>	
Max Steady State Current	5 A
Max Inrush Current	117 A
Max Input Voltage	277 V
<b>LED Driver Electrical Ratings</b>	
Max Steady State Current	5 A
Max Inrush Current	117 A
Max Input Voltage	277 V

