

TEKTELIC AURA

LoRaWAN® Smart AC Switch

TEKTELIC's AURA is an ideal solution for Smart Home and Office automation. The AURA smart switch is designed to wirelessly communicate via LoRaWAN®, which allows for seamless integration into your network. It can be used for energy consumption monitoring and enabling intelligent automation to improve comfort, energy efficiency, and overall space management. Its compact design and low-power operation make it easy to deploy in virtually any indoor environment.



Sensing Measurements



ENERGY SUPPLIED TO CONNECTED LOAD



LINE VOLTAGE



LOAD CURRENT



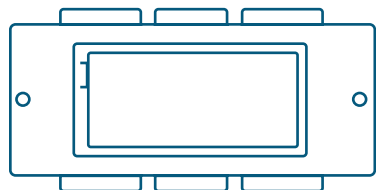
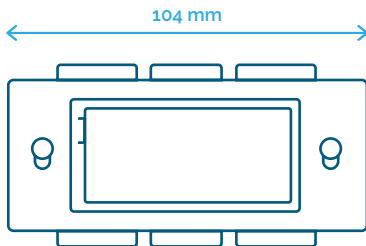
LOAD POWER (REAL, REACTIVE, AND APPARENT, W)



LOAD POWER FACTOR

Features

- ✓ **Energy consumption monitoring** provides visibility into voltage, current, power, and overall usage to improve efficiency and reduce costs
- ✓ **Compatible with standard LoRaWAN® gateways and network servers** for broad interoperability
- ✓ **Remote on / off control** lets users manage their connected devices from anywhere
- ✓ **Quick and easy device onboarding & data viewing** using TEKTELIC LeapX™ mobile application
- ✓ An optional **3-Way Auxiliary Switch** provides convenient multi-location remote control
- ✓ TEKTELIC **Kona Atlas™ support** for payload encoding and decoding
- ✓ Remote operation enables **cloud-based configuration, monitoring, and management**
- ✓ **Locus™ integration** for centralized device, data, and fleet management
- ✓ **Tamper-resistant design** detects unauthorized access or removal to ensure secure and reliable deployment
- ✓ **Compact industrial form factor** designed for discrete deployment
- ✓ **LED status indicator** provides visual feedback for device status, power, and network connectivity
- ✓ **Rapid deployment** for scalable commercial and enterprise installations



Technical and Functional System Specifications

General System Parameters

Operational Temperature	0°C to 40°C	
Operational Relative Humidity	5% - 95% Non-Condensing	
Size	43 W x 47 D x 104 H mm	
Weight	140 g	
Voltage	120 VAC, 60 Hz	
Load	Incandescent	1000 W
	Electronic Ballast	5 A
	Standard Ballast	1200 VA
	Resistive	1800 W (15 A)
	Motor	1/2 HP
Wire Termination	Max 2 wires per terminal except 1 wire for ground #14 - #12 AWG copper or copper clad solid conductor 16 mm (5/8") strip length Torque terminal screw to 2.3 Nm (20 lbf-in)	

Wireless Parameters (LoRa)

RF Power (Max)	20 dBm (100 mW)
RF Sensitivity	Up to -140 dBm
Channel Plans	US915
Antenna	Internal
LoRa Device Class	Class C
Specification Version	1.0.2

Certifications & Compliance

Regulatory	FCC
Product Safety	UL CUL
Environmental	RoHS

TEKTELIC Communications is a premier supplier of complete LoRaWAN® IoT solutions. Our end-to-end systems combine network infrastructure, devices, and applications to enable easy, fast, and cost-effective deployment for the most demanding IoT challenges.