

AG Wireless Smart Power Switching Hub

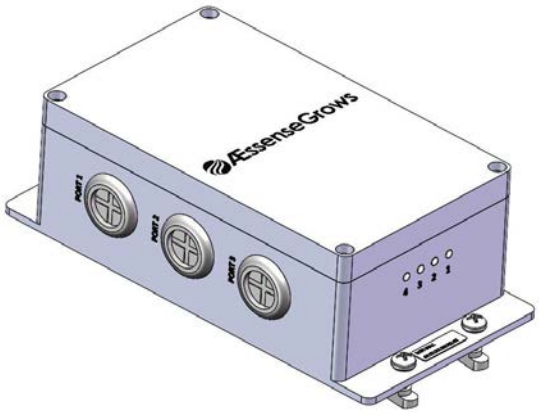
Data Sheet

5/15/2021

The Ætrium System's Smart Relay

The AEssense AG Wireless Smart Power Switching Hub allows the seamless wireless integration to various third party equipment via Guardian Grow Manager (GGM). The AG Smart Hub can be located anywhere in the cultivation facility that has wireless network access. It allows for four 24VDC connections, four dry contact relays, and two 0-10V connections to facilitate GGM control of external devices such as Heating, Ventilation and Air Conditioning (HVAC) devices. The Smart Hub will need to be within radio distance of the room wireless access point and an 110VAC wall receptacle.







Inside View of the AG Smart Hub

1. All measurements in mm

Specifications

	Spec	Note
Power Input:	24VDC/2.5A	
Output Port 1: 24VDC	Channels: 4 Current: 100mA (Rated) Wire diameter: 28 – 16 AWG	Local controllable using DIP switch (SW5 and SW6)
Output Port 2: Dry Contact	Channels: 4 Power: 30W max Wire diameter: 28 – 16 AWG	Local controllable using DIP switch (SW5 and SW3)
Output Port 3: 0-10V	Channels: 2 Wire diameter: 28 – 16 AWG	
RS485:	Channels: 2 JP2: M12, used for ASD JP1: reserved TTL Level: 3V/5V switchable Wire diameter: 26 – 18 AWG	
Network:	WiFi：2.4GHz, Client and AP mode	
Indicators:	4 LEDs: 1: Power status 2: WiFi status 3: GcGM status 4: Growth Plan status	Light up for first 5 minutes after power up
Dimensions: (L x W x H)	9.45"×5.36"×2.96"	
Weight:	1.1 lbs (0.5 kg)	

1. AC power consumption by the Smart Relay only

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