ÆssenseGrows

AG Smart Relay Power Switch

Data Sheet

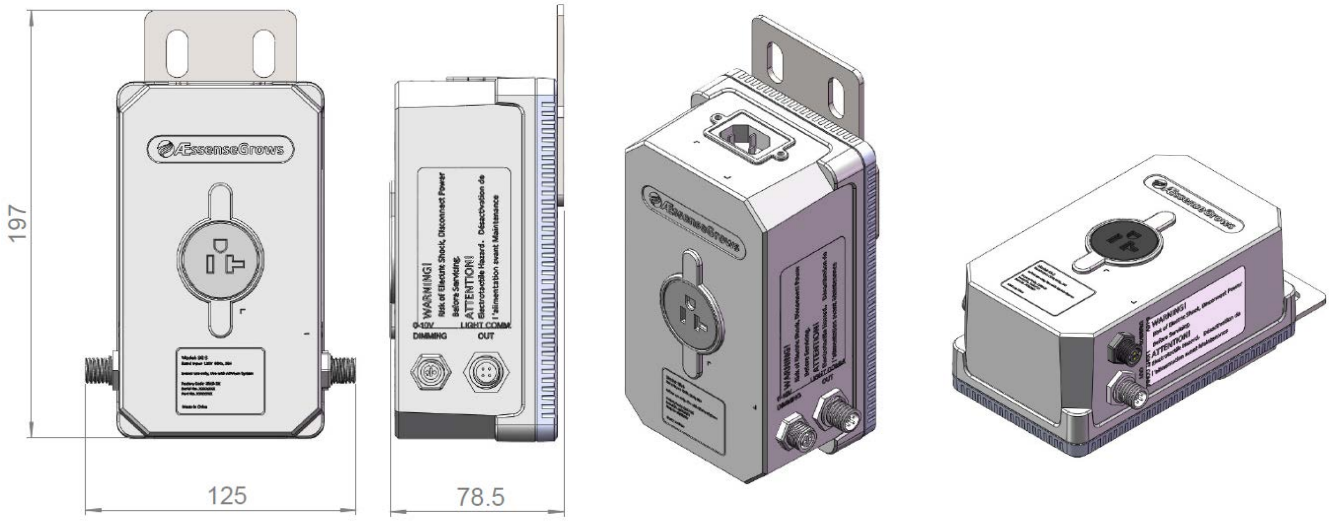
4/30/2021

CERTIFIED E506432

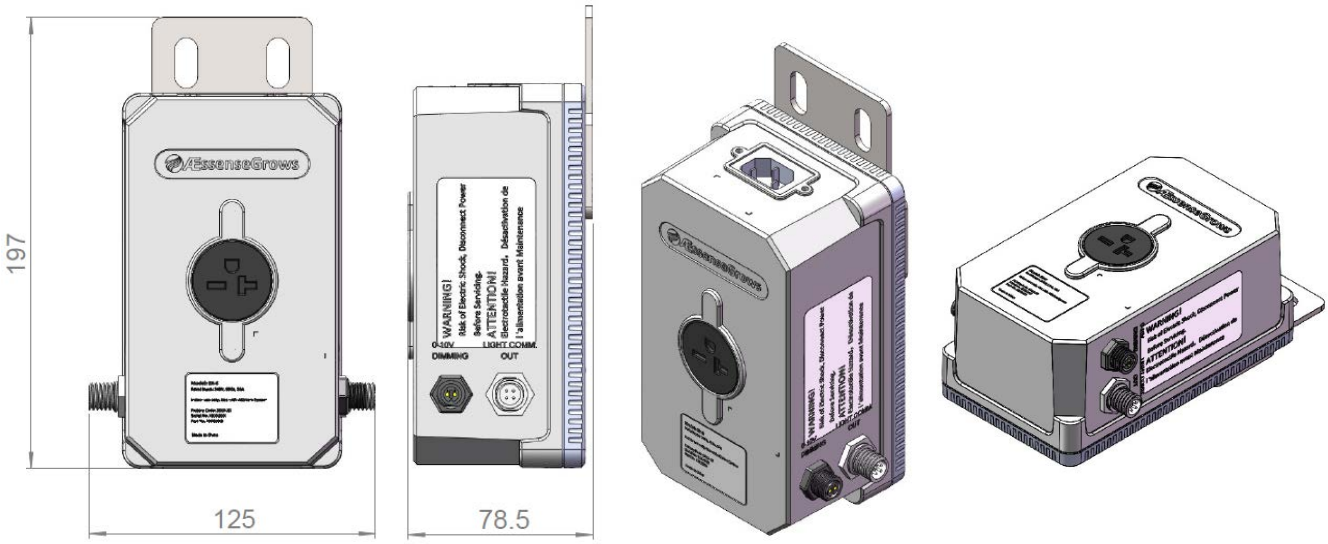
The Ætrium System's Smart Relay

The AEtrium System's AG Smart Relay allows the Guardian Grow Manager (GGM) software to control external devices in an on/off mode or via a 0-10 volt interface. As long as the on/off load is within the current specifications of the relay it can be controlled by the GGM. The 0-10 volt interface is available to control things like dimming of third party lights (please check with AEssense to make sure that we can control the lights that you have selected). AEssenseGrow lights are controlled directly by the GGM so Smart Relays are not required. The AG Smart Relay connects by a low voltage (24VDC) cable to the PDU found on the AEtrium System doser.

201-10010-01 SR5, 120VAC



201-10009-01 SR6 240VAC



1. All measurements in mm

Inputs

	SR5 (120VAC)	SR6 (240VAC)
UL/CSA Certification	Reference E506432	
Input Voltage	120 Vac	240 Vac
Input Frequency	60 Hz	60 Hz
Amps	10A	10A
Weight	1.1 lbs (0.5 kg)	

Communication

	SR5 (120VAC)	SR6 (240VAC)
AES Link	RS-485 Connection	
0-10 V Dimming	10 V Max, 150 mA Max	

Outputs

Device	Electrical Rating	Load Controlled
SR 5 (120 VAC)	10 A, 6000 cycles	Magnetic Ballast, Resistive
	5 A, 6000 cycles	Tungsten, Electronic Ballast
	½ HP 6000 cycles	Motor
SR 6 (240VAC)	10 A, 6000 cycles	Resistive
	5 A, 6000 cycles	Tungsten
	1HP 6000 cycles	Motor
	2 A, 6000 cycles	Electronic Ballast

201-10010-01 SR5, 120VAC: WSR-5 for the US and Canada



- Plug type: NEMA 5-15P (US residential standard)
- Socket type: NEMA 5-15/20
- 120V/60Hz

201-10009-01 SR6 240VAC: WSR-6 for the US and Canada



- Plug type: NEMA 6-15P
- Socket type: NEMA 6-15/20
- 240V/60Hz

1. AC power consumption by the Smart Relay only

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