RS SCENE AUTOMATION

Z-WAVE MOTOR CONTROLLER FAMILY

5520 SW 159TH PL SE · Bellevue, WA 98006
Phone: 425.644.1887 · Fax: 425.644.1887

http://www.rssceneautomation.com
support@rssceneautomation.com

FEATURES

SIMPLE INSTALLATION
COMPACT FOOTPRINT
LOAD MONITORING
TEMPERATURE SENSOR READY
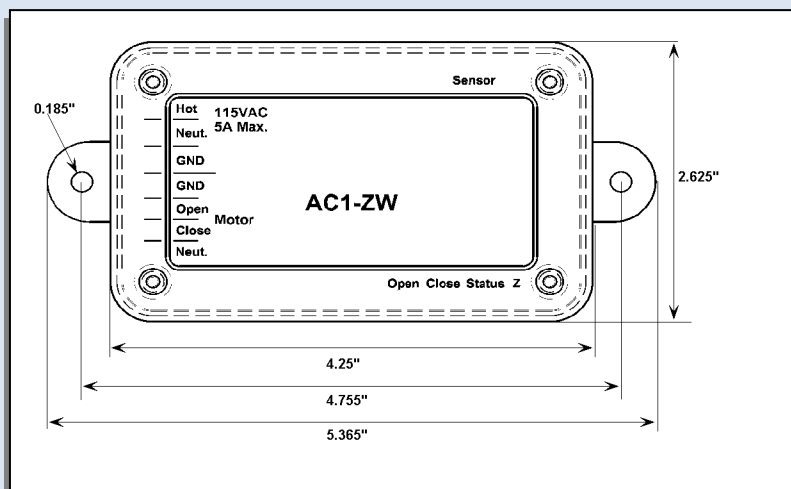*AUTO CALIBRATION*
SINGLE MOTOR
Z-WAVE COMPATIBLE
Z-WAVE SCENE ACTUATOR DEVICE
Z-WAVE NODE NAME CAPABILITY
SAFETY TIMEOUT
LESS THAN 1 WATT POWER CONSUMPTION

Basic Installation Procedure

- Connect motor and power supply wires as indicated on the enclosure
- Check that motor wires are correctly connected by using OPEN and CLOSE buttons
- Swap motor wires if necessary
- Set the motor mechanical limits

Calibration Procedure

- Simultaneously press and hold OPEN and CLOSE for 5 seconds
- The calibration procedure will open, close, then open the motor
- At this point the unit is installed and ready to become part of a Z-Wave network
- It is also possible to calibrate the unit by sending the proper Z-Wave configuration command
- *Uncalibrated units (brief LED flash every 1.5 seconds) will not respond to Z-Wave movement commands correctly*

Sensor Installation

- If an optional sensor is to be used with the unit, connect the two sensor wires to the sensor input
- Sensor connections are not polarized, i.e., may be connected in any order
- Multiple sensors must not be connected to the same sensor input

Z-Wave Network Installation

- The unit may be joined to a Z-Wave network even if the unit is uncalibrated
- To Include, place the primary controller in inclusion mode and press the Z button
- To Exclude, place the primary controller in exclusion mode and press the Z button
- For supported Z-Wave commands, refer to the Z-Wave Programmer's Manual at our website

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SPECIFICATIONS

LED Modes

•Uncalibrated	Continuous blink every 1.5 seconds
•Power Up	One blink upon power up
•Set to Factory Defaults	Three blinks when commanded to set factory defaults
•Z-Wave Command Received	One long blink when Z-Wave command is received

Button Functions

•Set to Factory Defaults	Press and hold Z button, then apply power to the unit
•Perform Auto Calibration	Simultaneously press and hold OPEN and CLOSE for 5 sec
•Include / Exclude from Z-Wave Network	Briefly press Z button
•Open or Close Motor	Briefly press OPEN or CLOSE

Sensor

•Temperature Sensor Type	Aprilaire interior flush mount model 8051
•Temperature Sensor Range	32°F - 105°F; (0°C - 40°C)
•Temperature Sensor Accuracy	± 3% @ 25°C
•Mating Sensor Connector	2 conductor Female PTR AKZ1550/2-3.81 (18 - 24 AWG)

Electrical Specifications

•Operating Voltage	120 VAC
•Maximum Motor Current	10 Amps
•Fuse	10A 250V 5x20mm
•Nominal Power Consumption	< 1W with no radio activity and motor relay activated

Physical Specifications

•Dimensions (including mounting flange)	5.4 inches (length); 2.6 inches (width); 1.26 inches (height)
•Dimensions (metric, including mounting flange)	136mm (length); 67mm (width); 32mm (height)
•Enclosure Color	Bone
•Mounting Flange Hole Diameter	0.185 inches
•Mounting Flange Hole Distance	4.75 inches (120.8 mm)
•Operating Temperature Range	32°F - 105°F; (0°C - 40°C)
•Mating Motor Connector	4 conductor Male Wago 231-604 (12 - 18 AWG)
•Mating Power Connector	3 conductor Female Wago 231-103/026-000 (12 - 18 AWG)

Agency Listings / Certifications

•UL	Pending
•FCC	VQH-AC1-ZW
•Z-Wave	Pending

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FEDERAL COMMUNICATIONS COMMISSION STATEMENT

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

INDUSTRY CANADA STATEMENT

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.