Z - Wave
CURTAIN SIGNAL MODULE

Thank you for purchasing this Z-Wave™ Curtain Signal Module from Monoprice!

This module is a wireless Z-Wave enabled device and is fully compatible with any Z-Wave enabled network. Z-Wave is an interoperable, two-way RF mesh networking technology used for home automation and security. Every AC powered Z-Wave device acts as a signal repeater, so multiple devices result in more possible transmission routes, which helps eliminate RF "dead spots" in the network. Any Z-Wave enabled device displaying the Z-Wave logo can be used with Z-Wave devices from other manufacturers.

This low-current module converts Z-Wave commands into Open, Close, and Stop signals to control a relay attached to a curtain motor. This module will act as a Z-Wave repeater (supporting FLiRS).

USER's MANUAL

PACKAGE CONTENTS

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

    1x Z-Wave Curtain Signal Module

    1x Wiring Harness

    1x User's Manual

SPECIFICATIONS

Protocol: Z-Wave

Operating Frequency: 908.42 MHz

Operating Range: up to 100 feet line of sight

Operating Temperature: +5 ~ +140°F (-15 ~ +60°C)

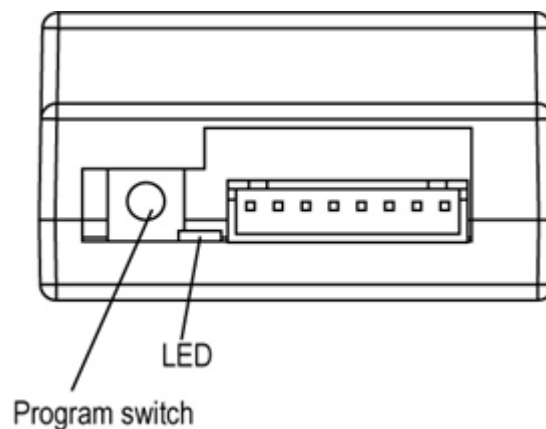**Operating Voltage:** 12 VDC

Operating Current: 25mA

OPEN Signal Output: -VE (negative signal), 100mA (max)

CLOSE Signal Output: -VE (negative signal), 100mA (max)

STOP Signal Output: -VE (negative signal), 100mA (max)

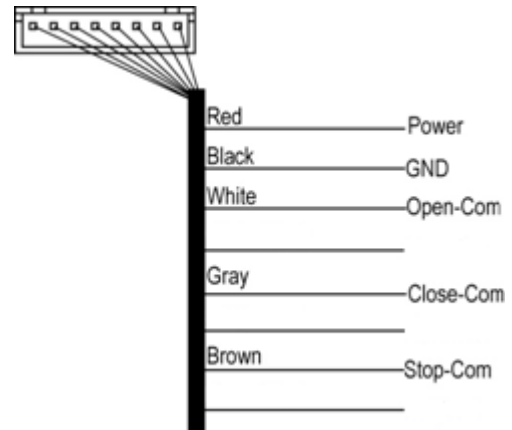# PRODUCT DIAGRAM

LED

Program switch

INSTALLATION

Note: If you are installing a complete Z-Wave system for the first time, please refer to the installation guide of your Z-Wave Interface Controller before installing this module.

Using the following table and diagram, which shows the functions for each wire in the included Wiring Harness, connect the harness to your curtain motor relay. *Note that the lines without any legend in the diagram below indicate empty pins on the wiring harness.*

Wire Color	Function
Red	Power
Black	Ground
White	OPEN Signal Output
Gray	CLOSE Signal Output
Brown	STOP Signal Output

Once the harness is wired to the relay, plug it into the Curtain Signal Module. *Note that the connector is keyed and can only be inserted in one direction. Do not force the connectors together.*

Next, secure the module to the wall or other surface. *Note that mounting hardware is NOT included.*

INCLUSION

Now that the module is in its final location, it can be "included" into the network. Bring your Z-Wave Interface Controller to the sensor's location. The distance between the controller and the module should be less than 1 meter during the "inclusion" process.

1. Following the instructions that came with your Z-Wave Controller, put the controller into "include" mode.

2. When prompted, press the Program Switch on the module once. This completes the "inclusion" process.

EXCLUSION

If you wish to remove the module from your network, you will need to "exclude" it.

1. Following the instructions that came with your Z-Wave Controller, put the controller into "exclude" mode.

2. When prompted, press the Program Switch on the module once. This completes the "exclusion" process.

RESET TO DEFAULT

To reset the module to the factory default settings, press and hold the Program Switch for about 5 seconds.

OPERATION

This module responds to the following basic commands for curtain control:

OPEN: Basic Set, **0xFF**

CLOSED: Basic Set, **0x00**

CONFIGURATION

The following list of Advanced Commands can be used to change the amount of time it takes to raise, lower, or stop the curtains:

UP Output Time: 1 byte value, 1-255 seconds

STOP Output Time: 1 byte value, 1-255 seconds

DOWN Output Time: 1 byte value, 1-255 seconds

Z-WAVE COMMAND CLASS

This module supports the following Z-Wave commands:

COMMAND_CLASS_BASIC

(mapping COMMAND_CLASS_SWITCH_MULTILEVEL)

COMMAND_CLASS_CONFIGURATION

COMMAND_CLASS_MANUFACTURER_SPECIFIC

COMMAND_CLASS_SWITCH_BINARY

COMMAND_CLASS_MULTI_CHANNEL_V3

COMMAND_CLASS_VERSION

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website (**www.monoprice.com**) during regular business hours, 7 days a week. You can also get assistance through email by sending a message to **tech@monoprice.com**

FCC 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 instruction, 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 and correct the interference by one of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver. Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.