

# ZRTSI - Z-Wave to RTS Interface

Part #1811265



## Overview:

The Somfy Z-Wave to Radio Technology Somfy Interface (ZRTSI) is a Z-Wave bridge controller that receives Z-Wave transmissions and translates them to motor control commands for Somfy's range of Radio Technology Somfy (RTS) motors. The ZRTSI resides as a bridge controller node within a Z-Wave Network and becomes a repeating node in the mesh network. The ZRTSI also features Network Wide Inclusion (NWI) which allows for inclusion and exclusion through the mesh topology of the Z-Wave network. Z-wave devices from all manufacturers can be used in the same network together. The ZRTSI has 1 base node and 16 virtual nodes. The 16 virtual nodes correspond to 16 RTS channels that, once programmed to the ZRTSI, duplicate all settings associated with each channel for RTS motor control within Z-Wave networks. The ZRTSI requires 110V AC power and can be plugged into any standard outlet.



## Features Summary:

- Network Wide Inclusion
- Z-Wave Development Kit 4.54.03 (Bridge Controller Library 3.42)
- Z-Wave 300 series chip
- Easy to navigate LCD menu
- 16 Channels of RTS
- Repeating node within the Z-Wave network
- Plugs into any standard 120V AC outlet

## Technical Specifications:

- Power Input: 120V AC 60Hz
- Power Consumption: 10mA @ 120V AC
- Material: ABS PA-765
- Listings: UL Certified E342898
- FCC ID: DWNZRTS
- Z-Wave Certification: ZC08-13080005
- Certified Version: 01.08.06
- Dimensions: 5.5" L x 2.75" W x 1.5" D
- Maximum Range: Z-Wave 75 feet radius; RTS 65 feet radius (both under optimal conditions)
- Operating Temperature Range: Ambient temperature
- Frequency: Z-Wave 908 MHz; RTS 433.42 MHz
- Shipping Weight: 1 lb.

## What's in the Box:

- ZRTSI controller
- Instructions (when applicable)

## Z-Wave Command Classes:

### Static Controller Node (all classes are version 1 unless otherwise noted):

- Manufacturer ID: 00 47
- Product Type: 5A 52
- Product ID: 54 00
- Controller\_Replication Version
- Manufacturer\_Specific
- Basic Device Class: Basic\_Typer\_Static\_Controller
- Generic Device Class: Generic\_Typer\_Static\_Controller
- Specific Device Class: Specific\_Type\_Not\_Used

### Virtual Node (all classes are version 1 unless otherwise noted):

- Manufacturer ID: 00 47
- Product Type: 5A 52
- Product ID: 54 XX\*
- Version
- Manufacturer\_Specific
- Switch\_Multilevel
- Switch\_Binary\*\*
- Scene\_Activation
- Scene\_Actuator\_Conf
- Basic Device Class: Generic\_Type\_Switch\_Multilevel
- Specific Device Class: Specific\_Type\_Class\_A\_Motor\_Control

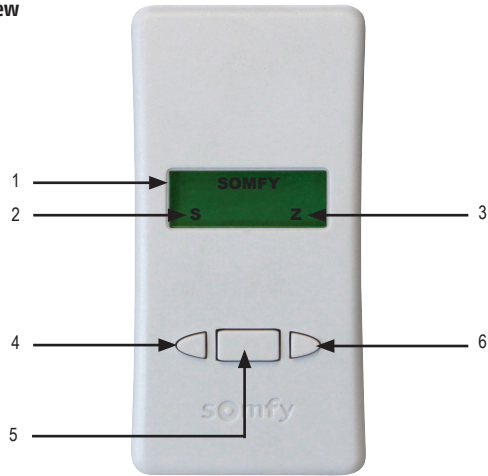
\* XX will be Virtual Nodes 01-16 which represent RTS channels. For example, if the product ID is 54 08, then it corresponds to the RTS channel bound to ZRTSI Virtual Node 08.

\*\* Although this device supports the binary command class, "Stop on Reverse" is not implemented.



## Connections and Indicators:

Front View



ELEMENT	FUNCTION
1 LCD Screen	Navigation Menu
2 S Indicator	Fashes when RTS Transmits
3 Z Indicator	Stays On when connected to a Z-Wave Network
4 Left Arrow	Navigates Menu Left
5 Select Button	Selection Button for Menu
6 Right Arrow	Navigates Menu Right

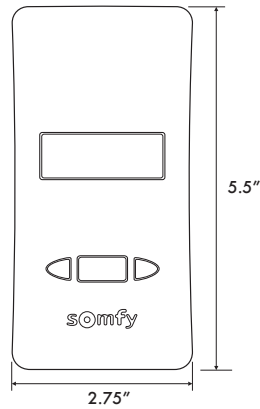
Back View



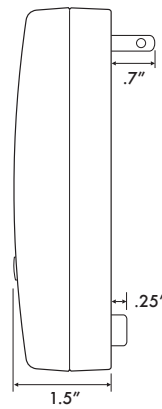
ELEMENT	FUNCTION
7 AC Prongs	AC Prongs
8 Support	Wall Supports when plugged into an outlet

## Dimensions:

FRONT

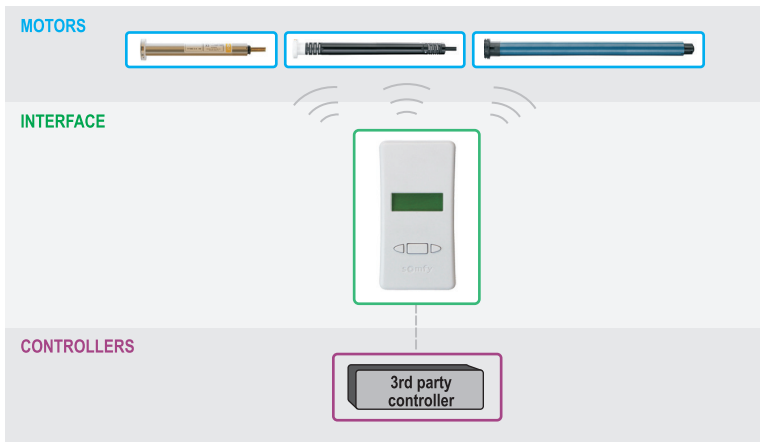


SIDE



## Wiring Best Practice:

Somfy recommends 1 ZRTSI be used for each 25' to 35' area where RTS motors are present.



### Component Types

Motor	
Bus Distribution	
User Interface	

### Wiring Connection Types

Wireless	
RTS	
WiFi	
Z-Wave®	
ZigBee®	