

# ZDMI – Z-Wave® to Digital Motor Interface

Part #1870171



## Overview:

The Somfy Z-Wave Digital Motor Interface (ZDMI) is a Z-Wave routing device that resides as a node within a designated Z-Wave control network. It receives Z-Wave transmissions and converts them to motor control commands for Somfy's Sonesse 50 ILT2 (AC) motor and Sonesse 30 RS485 (DC) motor. The interface also receives feedback information from these motors and distributes it to the Z-Wave network.



## Features Summary:

- Join a network with one button press
- Connects directly to the motor for power
- Provides accurate motor positional feedback
- Built on Z-Wave Dev Kit 5.02 Patch 3 (2.78) Z-Wave 300 Series Chip
- One interface to one motor

## What's in the Box:

- ZDMI
- RS485 Patch Cable
- 24V DC Patch Cable
- Instructions

## Technical Specifications:

- Input: Sonesse 30 RS485 motor Regulated 24 V D; Sonesse 50 ILT2 +5V DC
- Power Consumption: Sonesse 30 RS485 24V DC @ 50mA; Sonesse 50 ILT2 5V DC @ 20mA
- Material: ABS
- Dimensions: 5" L X 2" W X 1" H
- Maximum Range: Z-Wave 75 feet radius
- Operating Temperature Range: Ambient Temperature
- FCC ID: DWNZILT
- Z-Wave Certification: ZC08-10010011
- Frequency: 908 MHz
- Shipping Weight: 1 lb.

## Z-Wave Command Classes

(all classes are version 1 unless otherwise noted):

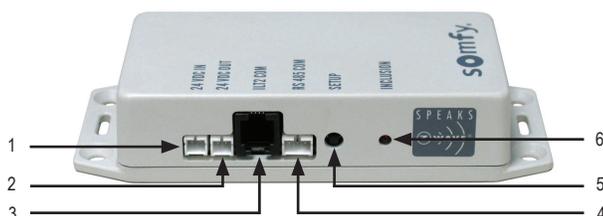
- Manufacturer ID: 00 47
- Product Type: 4C 54
- Product ID: 00 01
- Basic Device Class: Generic\_Type\_Switch\_Multilevel
- Manufacturer\_Specific
- Specific Device Class: Specific\_Type\_Class\_C\_Motor\_Control
- All\_Switch
- Association
- Switch\_Binary (Stop on reverse not supported)
- Hail
- Switch\_Multilevel (V3)
- Powerlevel
- Protection
- Scene\_Activation
- Scene\_Actuator\_Conf
- Version

## Optional Accessories:

- Power Patch Cable #9016020
- RS485 Patch Cable #9016021
- 24V DC Plug-in Wall Mount Transformer #1822209
- 24V DC 2 Conductor Power Cable (7.5' Length) #9014794

## Connections and Indicators:

### Front View

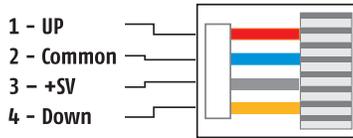


ELEMENT	FUNCTION
1 Power Input	24V DC Power Input
2 Power Output	24V DC Output to the motor
3 ILT Motor Connection	RJ9 Input for ILT motor
4 RS485 Connection	RS485 Output to the motor
5 Setup Button	Inclusion into a Z-Wave network; Manual operation of the shade
6 Inclusion LED	Off – not joined into a network; ON – Joined a network

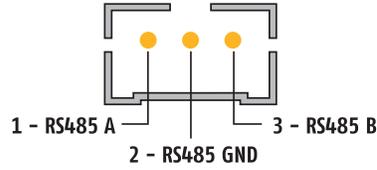


## Cable Pinouts:

### ILT2 COM (RJ9)

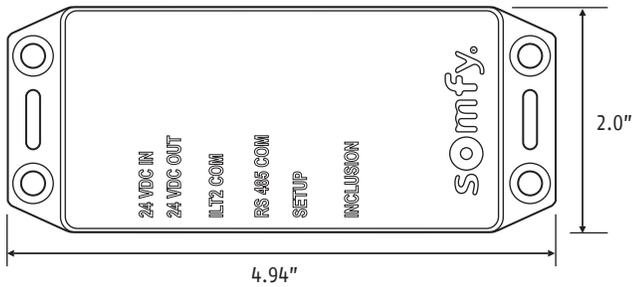


### RS485 COM (3 position JST)

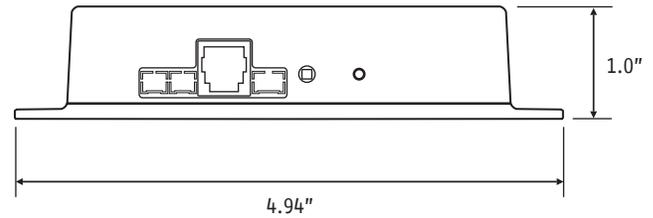


## Dimensions:

### FRONT VIEW



### SIDE VIEW

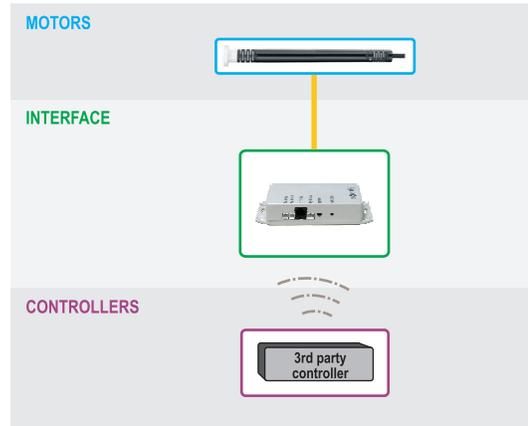


## Wiring Best Practices:

Somfy does not recommend making custom cable with this device. Please ensure that the limits on the motor have been set and tested.

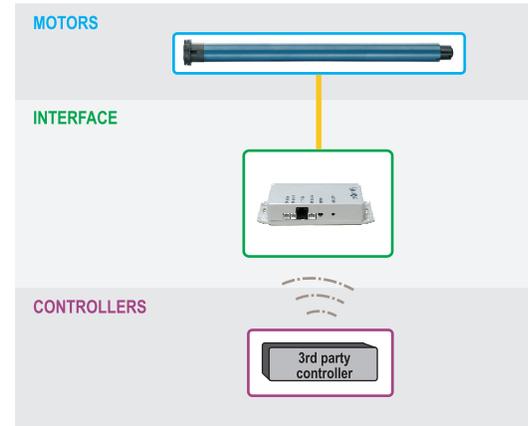
### Sonnesse 30 RS485

Please use the supplied patch cables to connect the ZDMI to the motor.

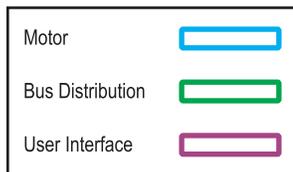


### ILT2

Please use the communication cable from the motor to connect to the ZDMI.



### Component Types



### Wiring Connection Types

