



Item #: 1870533

Control4 to Digital Motor Interface

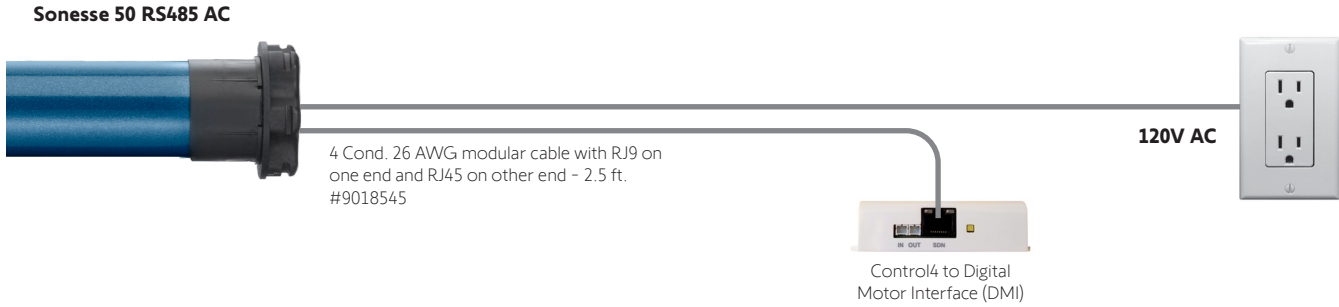
Instructions

The **Control4 to Digital Motor Interface (DMI)** is a Zigbee end node device that connects and controls a single Somfy Digital Network™ (SDN) motor to a Control4 system.

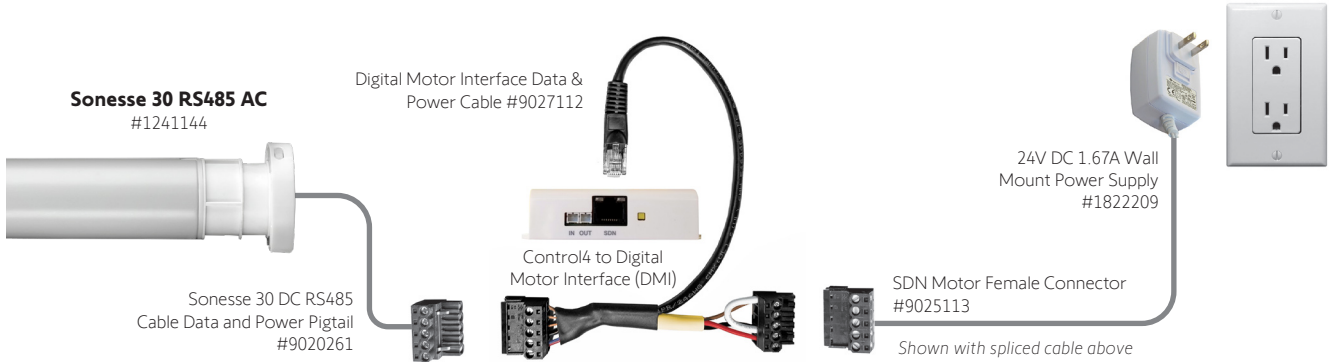


Wiring Diagrams

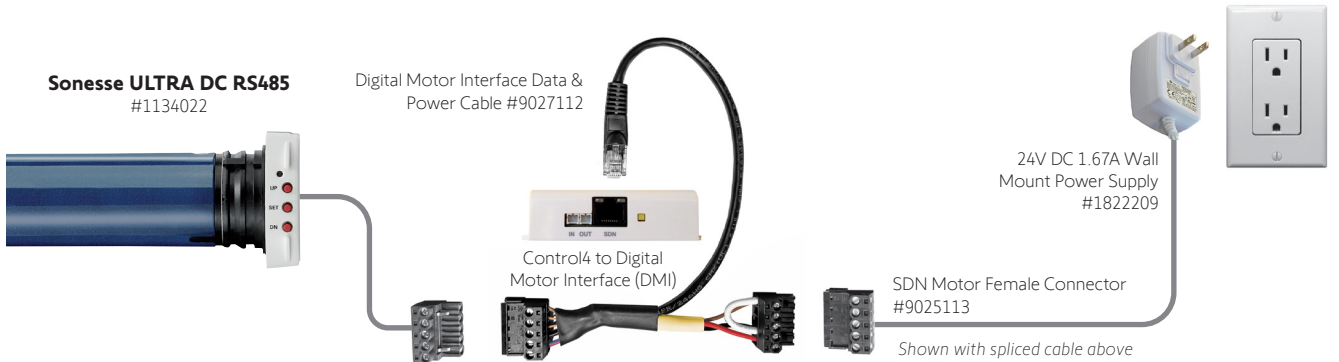
Sonesse 50 RS485 Motor Connection (AC Installation)



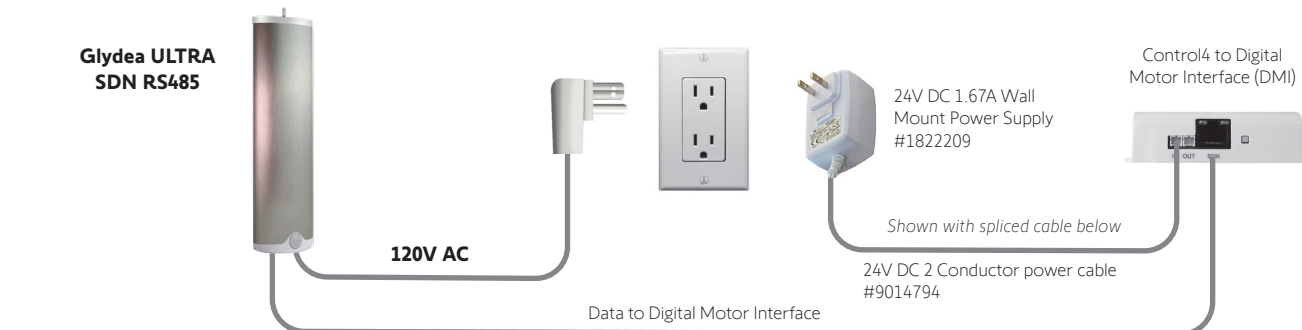
Sonesse 30 RS485 Motor Connection (DC Installation)



Sonesse 50 RS485 Motor Connection (DC Installation)



Glydea® ULTRA Motor Connection



General Requirements

- When installing the Digital Motor Interface (DMI) with DC motors, the Data & Power Adaptor Cable (Ref # 9027112, sold separately) is required for proper installation.
- The Control4 to Digital Motor Interface should be connected using the required Data & Power Adaptor Cable (Ref # 9027112, sold separately).
- One (1) Interface is used for each Sonesse 50 RS485 and Sonesse 30 RS485 motor (as per Somfy SDN motor guidelines).
- A Cat5e (or better) cable is required for communication between the Glydea ULTRA SDN and the Control4 to DMI.

NOTE: To manually disconnect the interface from the network, PRESS & HOLD the SETUP button for seven (7) seconds. The interface will be disconnected from the network when the inclusion LED starts flashing ORANGE. If a device was removed manually, you will not be able to delete the motor from the Control4 system.

Network Setup

NOTE: In order for the Digital Motor Interface to become fully operational, all connections must be properly made according to the wiring diagram, and the limits of the motor must first be set. Please refer to the respective motor instructions on how to set the limits.

Identifying the Digital Motor Interface into a network

1. Upon power-up, the RIGHT LED will flash ORANGE indicating its firmware version number.
 - a. Ex. Version 3.2
 - i. >> 3 ORANGE flashes
 - ii. >> 2 GREEN flashes
 - iii. Left LED shows power >> solid GREEN
 - iv. Right LED shows Zigbee status
(Upon powering the device: LED will slowly flash ORANGE indicating device is in inclusion mode)
2. Once joined to the Zigbee network --- RIGHT LED turns solid ORANGE.
 - a. RIGHT LED from ORANGE to GREEN --- indicates Zigbee communication
3. To reset your device, PRESS & HOLD the SETUP button for seven (7) seconds.
 - a. Device will now be in factory mode
NOTE: If inclusion is unsuccessful (not blinking ORANGE), please retry step 3.

LED Indicators

LEFT = power LED

RIGHT = Zigbee / SDN Communication

- i. Blinking ORANGE & GREEN >>> communication to motor
- ii. Blinking ORANGE >>> device is in inclusion mode
- iii. Solid ORANGE >>> device is connected to the Zigbee network

Disconnecting the Digital Motor Interface from a network

4. SELECT the disconnect command on your Zigbee controller.

NOTE: To manually disconnect the Digital Motor Interface from the network, PRESS & HOLD the SETUP button for seven (7) seconds. The Digital Motor Interface will be disconnected from the network when the inclusion LED starts flashing ORANGE.

Operation with Control4

- OPEN
- CLOSE
- GO TO Percentage
- STOP

Manual Operation

The **SETUP** button can be used to manually operate the motor at any time as follows:

- Repeatedly PRESS & RELEASE the SETUP button within 1/2 second to drive the motor in a sequence of **DOWN-STOP-UP-STOP**.
 - 1st press — **DOWN** command
 - 2nd press — **STOP** command
 - 3rd press — **UP** command
 - 4th press — **STOP** command
- Example:
 - First, while the motor is at rest, PRESS & RELEASE the **SETUP** button to drive motor down.
 - Next, PRESS & RELEASE the **SETUP** button again to STOP the motor.
 - PRESS & RELEASE the **SETUP** button a third time to drive the motor up.
 - A subsequent PRESS & RELEASE will STOP the motor.

Factory Reset

1. PRESS & HOLD the SETUP button for seven (7) seconds to put the device in inclusion mode.
 - a. When button is released --- LED flashes ORANGE
Device is now in inclusion mode.
NOTE: By default, the Control4 to DMI is in inclusion mode.

Removal from Network

1. The Digital Motor Interface will be removed from the network when the inclusion LED turns off (or is turned off).
2. PRESS & HOLD the SETUP button for seven (7) seconds to put the device into inclusion mode.

Digital Motor Interface Electrical Specification

- Voltage Input: Requires Regulated +24V DC
- Voltage Output: Regulated +24V DC, passed through from the Input Voltage
- Power Consumption: 50mA @ 24V DC

Ordering Information

Description	Part Number
Control4 to Digital Motor Interface (DMI)	1870533
Digital Motor Interface Data & Power Cable (sold separately)	9027112
Sonessse 30 DC RS485 Cable Data and Power Pigtail	9020261
SDN Motor Female Connector	9025113
SDN Motor Male Connector	9020743
4 Cond. 26 AWG Modular Cable (RJ9 on one end and RJ45 on other end) - 2.5 ft.	9018545
24V DC 2 Conductor Power Cable	9014794
24V DC 1.67A Wall Mount Power Supply	1822209

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