

SDN (RS485) Module for Drapery Motors

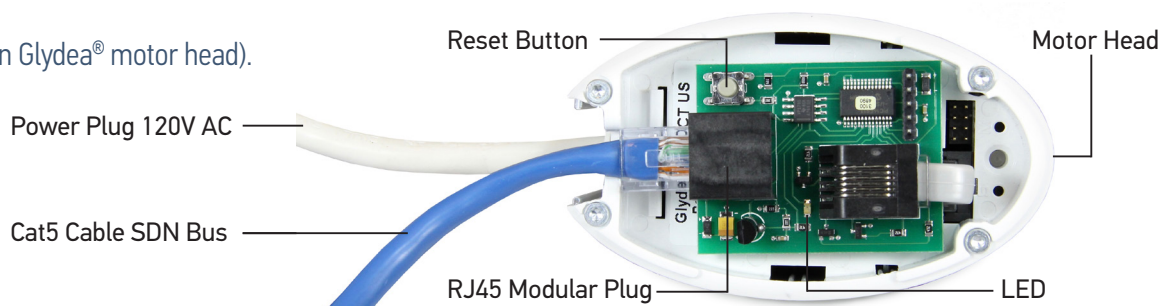
INSTALLATION INSTRUCTIONS

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SDN (RS485) Module for Drapery motors

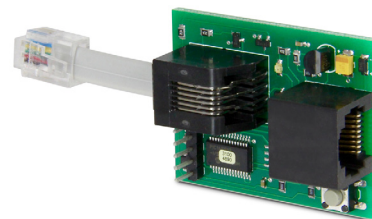
Cat. No. 1811129

(shown installed in Glydea® motor head).



1. INTRODUCTION

The SDN (RS485) module for drapery motors receives Somfy Digital Network™ (SDN) commands and converts them to dry contact motor control commands for Somfy Glydea® and Irisimo™ drapery motors. This allows for integration of Somfy drapery motors into SDN systems. The module requires low voltage power from the SDN bus line.

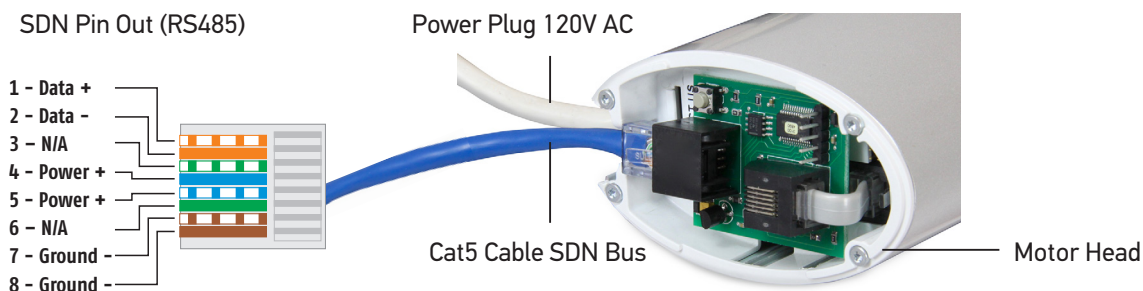


2. SAFETY*

- This Somfy product must be installed by a professional motorization and home automation installer, for whom these instructions are intended.
- Before installation, check that this product is compatible with the associated equipment and accessories.
- These instructions describe how to install, commission and use this product.
- Moreover, the installer must comply with current standards and legislation in the country in which the product is being installed, and inform his customers of the operating and maintenance conditions for the product.
- Any use outside the sphere of application specified by Somfy is not approved. Such use, or any failure to comply with the instructions given herein will invalidate the warranty, and Somfy refuses to accept liability.

* Subject to technical modifications.

3. CONNECTION DIAGRAM



NOTE: It is not recommended to use a Cat5e cable with a boot or strain relief as it will not fit inside the motor casing.

4. COMMUNICATION SETTING

4800 BAUD
8 DATA BITS
ODD PARITY
1 STOP BIT

5. INITIAL SETUP

Initial programming of the module must be completed before installing into an existing SDN or ILT system using the steps below:

1. Connect the SDN module directly to a Somfy Bus and Sensor Station Power Supply (#1822440).
2. Ensure the appropriate Somfy Digital Network Motor Configuration Software was downloaded and installed on your computer for either Legacy ILT systems or SDN systems.
3. Connect the computer running the configuration software to the Power Supply using a USB to a RS485 converter (#9015260).

6. ASSIGN ADDRESS

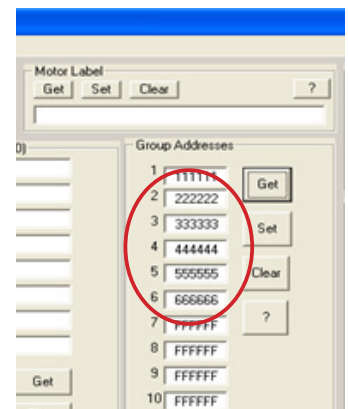
To assign motor addresses, download the latest Somfy Digital Network Motor Configuration software from <https://www.somfysystems.com/support/tools/configuration-tools-software>.

If using with legacy ILT systems, download the Legacy Motor Configuration Software version 3.5.6.

A USB to RS485 converter (#9015260) is required

1. Open Somfy Digital Network Motor Configuration software.
2. Select the correct COM port.
3. Then click on CONNECT.
4. Click on "Get MTR Addr". The default address, 103254, will appear if not programmed. When using the Legacy Motor Configuration Software, the default address, ABCDEF, will appear if not programmed.
5. Assign a unique 6 bit hex address to Group 1 consisting of 6 characters using A-F and 0-9. This will then be used to generate the motor address for the module.
NOTE: *Group locations 2 through 6 must be programmed with any Hex address except for FFFFFF or 000000. The default group address in these locations is FFFFFF.
6. Up to 5 Group Addresses can also be assigned at this time in locations 2 through 6. These addresses will be used to receive commands (see fig. 1. at right).
7. Click on "Set". Allow 10 seconds for data transfer between PC and Control.
8. Click on "Get MTR Addr". Note this converted address as it will be used to communicate with the module once installed in a system.
9. Click on "Get" under GROUP ADDRESSES and verify the group addresses are set correctly.
10. Programming is complete. The module can now be installed in a system.

* Fig. 1



7. GET COMMANDS

To generate command strings, download the latest SDN String Calculator software from <https://www.somfysystems.com/support/tools/configuration-tools-software>.

A USB to RS485 converter (#9015260) is required.

1. Click on "Group Motor Address".
2. Enter the Motor Address just assigned. Click on "All Commands".
3. Click on "Calculate". All the command strings will be filled in automatically.
4. Only the following commands can be used with the Glydea Motor: UP, STOP and DOWN

8. RESET TO DEFAULT

To change the Motor Address back to the default (103254), legacy (ABCDEF), press and hold the reset button until the LED turns on.

9. OPERATING PROCEDURE

1. Program control with desired group addresses.
2. Connect the SDN to DCT control to the SDN via Cat-5 cable and to the Glydea or Irisimo motor via 6 conductor modular cable.
3. Send the group command over the SDN (using the motor address programmed in the steps above) to move the motor.