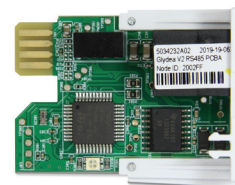# Somfy Digital Network™ RS485 Module for Glydea® ULTRA Motors

Item #: 1870275

OVERVIEW:

The **Somfy Digital Network™ (SDN) Module for Glydea® ULTRA Motors** integrates Somfy's range of Glydea® ULTRA motors into stand-alone SDN systems. The SDN module receives SDN network communication signals and converts them to motor control commands for operating Somfy's Glydea® ULTRA motors. The module receives power directly from the Glydea® ULTRA. It is configured using the Somfy Motor Configuration Software and offers control commands for open, close, stop and intermediate positions.

SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

Somfy Digital Network™ (SDN) is Somfy's intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable and suitable for both small and large projects. The same components are used whether an SDN system remains standalone or integrated into third-party automation systems.

FEATURES SUMMARY:

- Control Glydea® ULTRA motors within a stand-alone Somfy Digital Network™ system, Somfy Connect™ UAI Plus SDN system.
- One module per drapery motor
- Custom design to plug into Glydea® ULTRA motor
- Connects to any device port on the SDN bus
- Receives commands over the SDN bus and translates them into motor commands for open, close, stop and intermediate positions.
- Powered by the Glydea® ULTRA motor
- Can be programmed with up to 16 SDN group addresses
- Configured using Somfy's Motor Configuration Software

REQUIRED ACCESSORIES:

- RS485 Limit Setting Tool   #9017142
  (with version A11 or higher)
- USB to RS485 Adaptor: #9015260
- Somfy Motor Configuration Software: Download from www.somfypro.com/services-support/software

TECHNICAL SPECIFICATIONS:

- Powered by the Glydea® ULTRA motor
- Max cable distance: 200 ft. from SDN device port
- Material: FR-4 fiberglass
- Operating Temperature: 32°F (0°C) to 140°F (60°C)
- Dimensions: 0.7"L x 1.5"W x 1.97"D
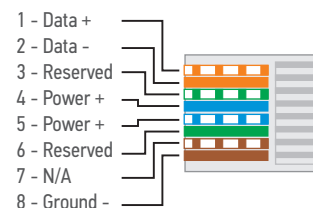- Shipping weight: 1 lb.

COMPATIBILITY:

- Motors:
  - Glydea ULTRA 35 Motor RTS with 10' Plug (1003152)
  - Glydea ULTRA 35 Motor DCT with 10' Plug (1003151)
  - Glydea ULTRA 60 Motor RTS with 10' Plug (1003159)
  - Glydea ULTRA 60 Motor DCT with 10' Plug (1003158)
- Control Systems:
  - Somfy Digital Network™ (SDN)
  - Somfy Connect UAI Plus systems

CABLE PINOUTS:

SDN Cable Pinout

CAT-5e or higher TIA-568B standard with RJ-45

1 - Data +
2 - Data –
3 - Reserved
4 - Power +
5 - Power +
6 - Reserved
7 - N/A
8 - Ground –

COMMUNICATION SETTINGS:

- 4800 baud
- Odd parity
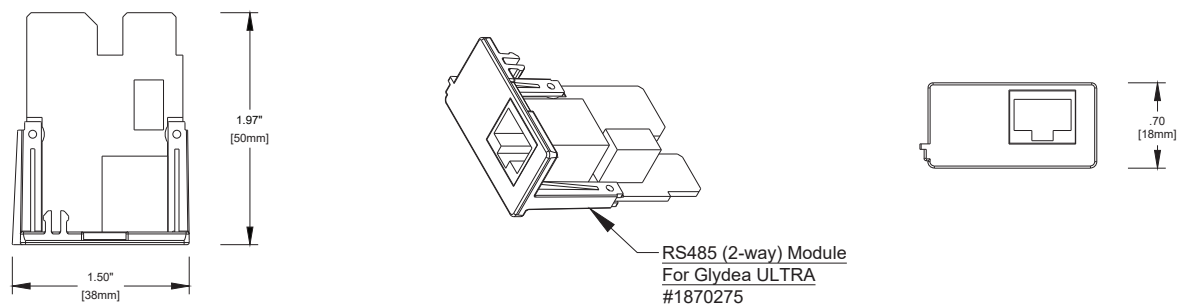- Flow control none
- 8 data bits
- 1 stop bit

WHAT'S IN THE BOX:

- SDN Module for drapery motors
- Installation Instructions
- 3 Extra node ID labels

CONNECTIONS AND INDICATORS:

	ELEMENT	FUNCTION
1	**RJ45 SDN RS485 Connector**	SDN input connection for system operation
2	**Module to Motor Connection**	SDN output with pass-through data and power

somfy® Building happiness

1.97"
[50mm]

1.50"
[38mm]

.70
[18mm]

RS485 (2-way) Module
For Glydea ULTRA
#1870275

BEST WIRING PRACTICES

The diagram shown below is meant for illustrative purposes to show the connections from product to product. This device could be used in other configurations than shown below. For specification information on individual products, see related product information. Follow all SDN wiring standards for distance limitations. Not for use with animeo IP® systems.

NOTE: Max wiring distance between the motor and the SDN device port is 200 ft.

Somfy Digital Network™ (SDN) RS485

MOTORS

Glydea ULTRA®

SDN Drapery Module

BUS DISTRIBUTION

BUS IN

Bus Power Supply

Data Hub

Data Hub Mini

BUS OUT

USER INTERFACES

DecoFlex Keypad SDN

Somfy Connect™ UAI Plus

somfy®