



Somfy Connect Universal Automation Interface (UAI) Plus

Part #1870272

OVERVIEW

The Somfy Connect Universal Automation Interface (UAI) Plus allows for commissioning and integrating Somfy Digital Network™ (SDN) over IP/Ethernet. Embedded motor commissioning software streamlines SDN system configuration. The Somfy UAI Plus is compatible with the Somfy Synergy™ API as well as drivers from popular home automation systems, making it easy to integrate custom automation programming.

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 integration devices. SDN is scalable and suitable for both small and large projects. The same components are used whether an SDN system remains standalone, is integrated into third-party automation systems, or is paired with Somfy's animeo® IP automated total solar management system.



TECHNICAL SPECIFICATIONS

Input	12-24V DC
Power Consumption	60mA
SDN Power Units	Consumes 6 Power Units
Material	ABS
Operating Temperature Range	Ambient temperature
Dimensions	3.53" L x 2.375" W x 2.125" H
Maximum Wiring Distance (Ethernet)	328' from the router using standard Cat-5e cable
Maximum Wiring Distance (SDN)	4,000' total wire length
Shipping Weight	1 lb.
Indoor use only	

FEATURES SUMMARY

- Embedded commissioning software
- Simplified SDN programming
- Powered by the SDN bus line
- Single integration point for third-party automation systems over IP or RS232
- Compatible with SDN 2.0
- Works with Somfy Synergy™ API
- Controls up to 250 motors
- Powered from the SDN bus line
- SDDP Integration

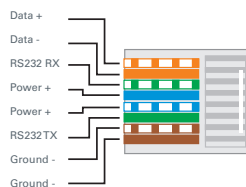
WHAT'S IN THE BOX

- Somfy UAI Plus
- 7' Ethernet Cable
- 8" Din Rail
- Quick Start Guide

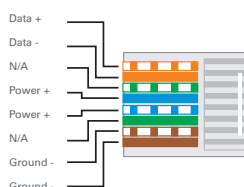
CABLE PINOUTS

Port 0
Not used

Port 1
RS232 input or RS485 input



Port 2
SDN input



COMPLIANCE SPECIFICATIONS

UL Listed
CE Approved

OPTIONAL ACCESSORIES

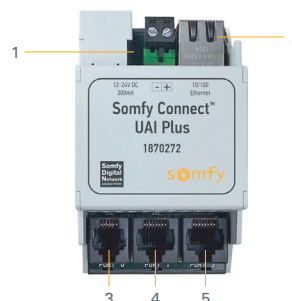
- DB9 to RJ45 adaptor for RS485 (9015029)

SUPPORTED PROTOCOLS

- TCP, UDP, TELNET Client, WEB Server, HTTP, UPNP, SDDP, Somfy Digital Network™ (SDN) and The Somfy Synergy™ API

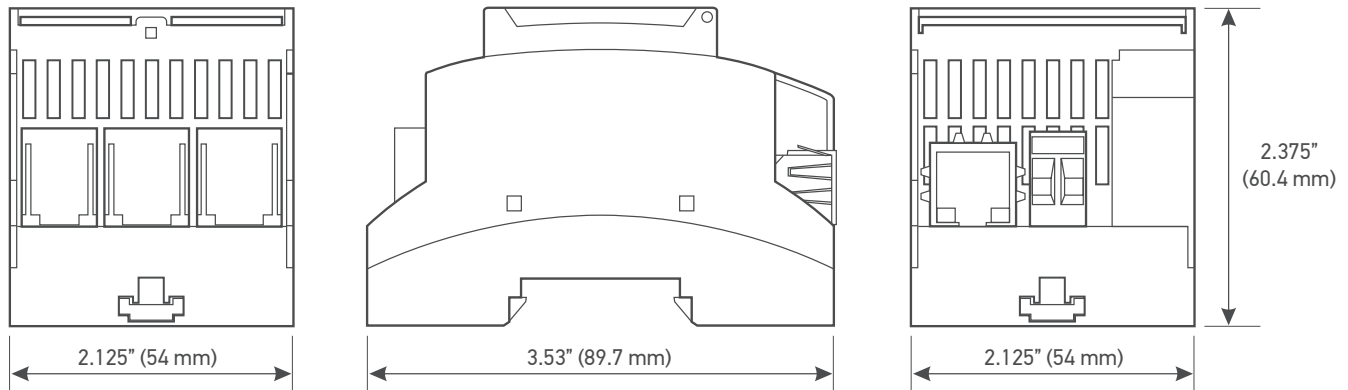
CONNECTIONS AND INDICATORS

ELEMENT	FUNCTION
1	External Power input 12-24V DC power supply
2	Ethernet Port Ethernet input
3	Port 0 N/A
4	Port 1 RS-232 Input/SDN Bus Power input
5	Port 2 SDN connection



Somfy Connect Universal Automation Interface (UAI) Plus

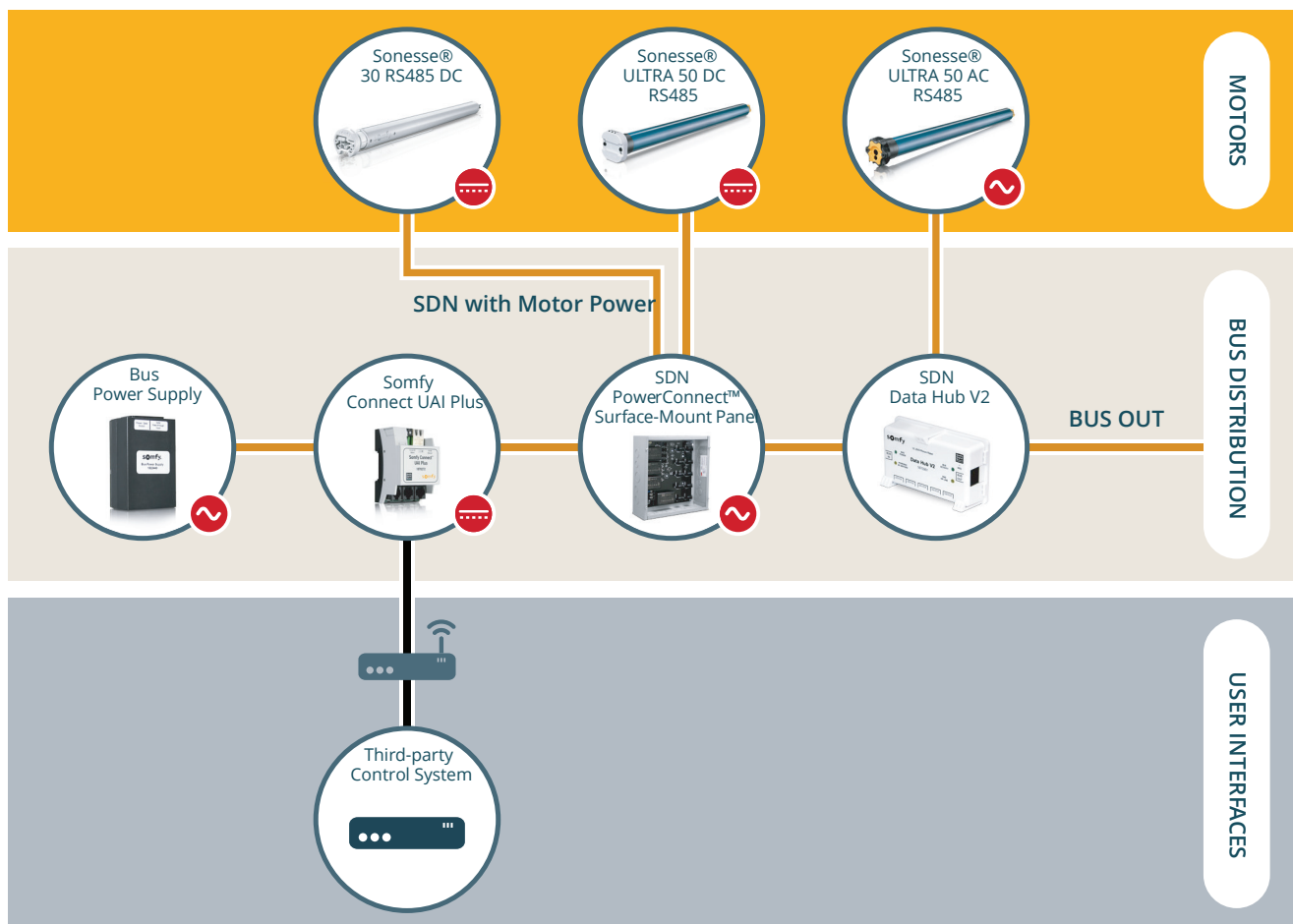
DIMENSIONS



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.

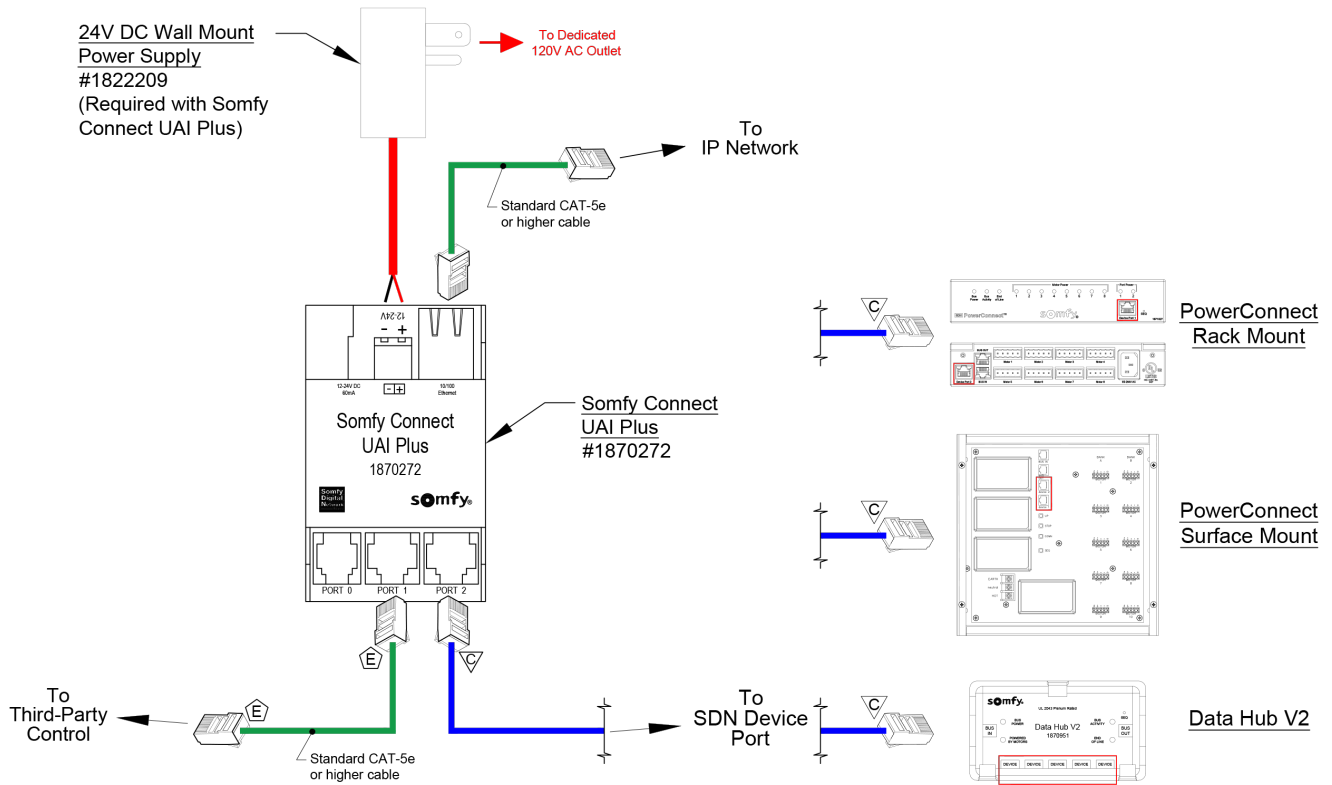
When connecting over RS232, a DB9 to RJ45 (9015029) adaptor is required (see optional accessories). The Somfy UAI Plus joins an SDN network using RS485 to any device port on the SDN bus. This connection provides power and data to the UAI.





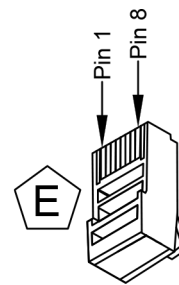
Somfy Connect Universal Automation Interface (UAI) Plus

BASIC WIRING DIAGRAM



RS232/RS485 WIRING PINOUT

Utilizing RJ-45 TIA-568B termination standard			
PIN #	COLOR	FUNCTION	
		UAI Plus	Third-Party
1	Orange White	SDN RS485 (+)	-
2	Orange	SDN RS485 (-)	-
3	Green White	RS232 RX	RS232 TX
4	Blue	Power 24v DC	-
5	Blue White	Power 24v DC	-
6	Green	RS232 TX	RS232 RX
7	Brown White	SDN RS485 Ground	Ground
8	Brown	SDN RS485 Ground	-



NOTES

- The Somfy Connect UAI Plus can support both RS232 or IP connections, but not both simultaneously.
- Max distance from Third-Party Network is 330' [100m].
- Max distance from SDN Device Port is 200' [60m].
- Refer to SDN Connect Design Guide for distance and bus distribution limitations.