RTS to SDN Receiver for animeo IP

Part #1822447

Overview:

The RTS Receiver for animeo IP allows for Somfy RTS interfaces to control groups, facades or single motors in an animeo IP system. Though use of a Telis or RTS Decoflex the Receiver provides a user a familiar way to adjust their environment for personal comfort while not disturbing the the overall efficiently of the building. Using advanced logic the user actions can revert back to the automatic Eco-Mode of operation after a configurable time interval. also, during critical times of day, the keypads can be overridden by automated functions ensuring the most efficient building operation. The RTS Receiver works with Somfys range of indoor RTS receivers pairing with up to five RTS channels. Any combination of Telis or decoflex transmitters to be used with a single receiver.

The Somfy RTS Receiver can be located anywhere on the Somfy Digital Network, communicating and powered over a single wire. Pairing with a RTS transmitter is easy with a simple series of presses of the programming button. Transmitters are then configured into the animeo IP system with the keypad discovery wizard; automatic location and address discovery with the push of a single button. Once discovered, the RTS Transmitter is programmed with simple click and drag actions, giving discrete control over entire facades, groups or single motors.

Features Summary:

- Control motors individually, by group, facade, or an entire building
- Communicate/powered over single SDN connection
- Auto-discoverable address
- Auto-discoverable location
- Works with DecoFlex and Telis Transmitters
- Up to 5 paired transmitters

Optional Accessories:

- Bus & Sensor Station Power Supply   #1822440
- USB to RS485 Converter   #9015260
- RS232 to RS485 Converter   #1810496
- Telis 4 RTS Pure Transmitter*   #1810633
- DecoFlex Wirefree™ 5 Channel White**   #1810813
- animeo IP Building Controller   #1822314

*Telis 4 Pure is an example optional transmitter. You can choose any Telis remote control
** DecoFlex Wirefree 5 Channel is an example optional transmitter. You can choose any of the DecoFlex Switches

Technical Specifications:

- Input: 24V DC (SDN bus power)
- Power Consumption: 10 mA
- Material: ABS
- Listings: UL Listed
- Dimensions: 3" L x 2" W x 1.5" H
- Maximum Range: 65 feet radius (under optimal conditions)
- Operating Temperature Range: Ambient temperature
- Frequency: 433.42 MHz
- Shipping Weight: 1 lb.

What's in the Box:

- RTS to SDN Receiver

Connections and Indicators:
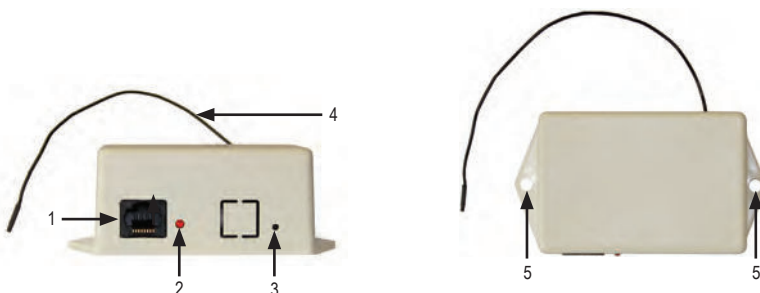
	ELEMENT	FUNCTION
1	SDN Input	RJ45 port for SDN input
2	LED	LED Indicator
3	Master Reset	Factory Reset
4	RTS Antenna	RTS Antenna
5	Mounting Bracket	Mounting Bracket

Cable Pinouts:

SDN Input

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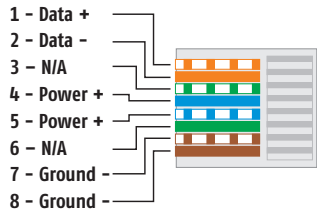
Dimensions:

FRONT VIEW

2.0"

3.06"

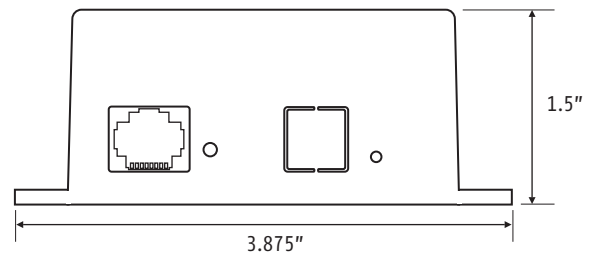**SIDE VIEW**

1.5"

3.875"
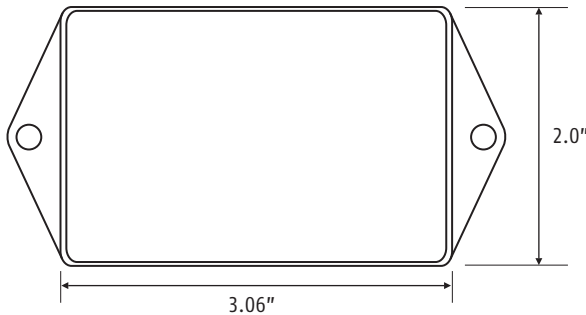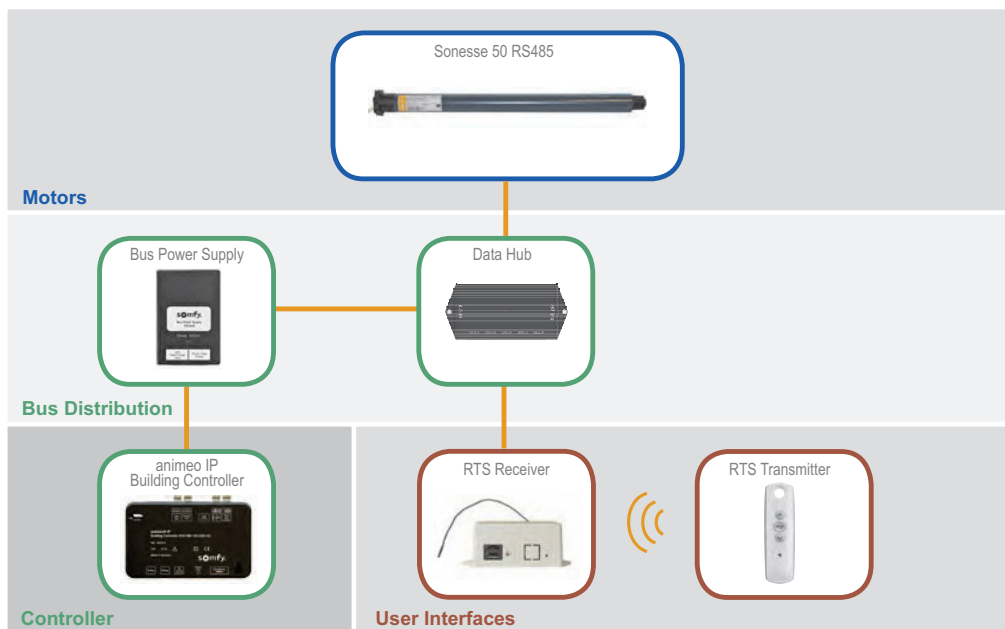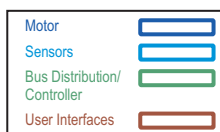
Wiring Best Practices:

The RTS Receiver has a single SDN connection which is utilized for communication and power. Connecting the Receiver to the SDN bus is easy using a SDN Data Block; any free port can support a Receiver. It is recommended that wires connecting the keypad to the SDN bus line are no more than 30 feet. The SDN bus should be powered by a bus and sensor station power supply as illustrated below.

Sonesse 50 RS485

Motors

Bus Power Supply

Data Hub

Bus Distribution

animeo IP
Building Controller

RTS Receiver

RTS Transmitter

Controller

User Interfaces

Component Types

| Motor |
| Sensors |
| Bus Distribution/ Controller |
| User Interfaces |

Wiring Connection Types

Wireless
RTS
WiFi

Somfy Digital Network (SDN)
SDN
SDN w/motor power
Sensor Bus