Somfy Connect BMS Interface

Part #1870249

Overview:

The Somfy Connect BMS Interface for SDN provides communication between Building Management Systems and Somfy motorized shading systems, either Standalone SDN or SDN with animeo® IP shade systems. This interface communicates through a direct connection to the building automation IP network or uses a BACnet translator box to send and receive signals. The BACnet to animeo IP provides third party communication to standalone SDN systems and animeo IP. When utilizing the interface Somfy motorized system devices provide feedback and could be controlled by the BACnet network.

Features Summary:

- System control
  - Stand alone SDN – control individual or motor groups.
    - Position (%) – feedback on motors only
    - Position (absolute) – feedback on motors only
    - Intermediate position
    - Up, Stop, and down control
  - animeo IP – control individual or motor groups, sensors, and virtual keypads.
    - Position (%) – feedback on motors only
    - Up, Stop, and down control/commands
    - Priority control
    - Sensor data – provides single direction information to BMS system
- Supports up to 1500 data points.
- Integration capabilities: Modbus, BACnet MS/TP, BACnet IP
- Sensor data – provides single direction information to the BACnet network.
- Programmable through user friendly interface.
- Auto device discovery for animeo IP.

Technical Specifications:

- 1500 data points maximum
- Input: 9-30 VDC or 12-24 VAC
- Power Consumption: 250 mA
- Material: ABS plastic
- Dimensions: (L x W x H) 4.5 x 3.2 x 1.6 in.
- Operating Temperature Range: F= -40° to 167°
- Relative Humidity: 5-90% RH, non-condensing
- Shipping Weight: 1 Lb.
- Approvals:
  - BACnet Testing Labs (BTL) B-ASC Ver. 12
  - TUV approved to UL 916 EN 60950-1, EN 50491-3 and CSA C22-2 standards
  - RoHS Compliant
  - DNP3 Conformance Tested
  - CE & FCC Approved
  - BTL Marked Certified

What's in the Box:

- (1) 24V DC 1.66A Wall Mount Power Supply (Cat. No. 1822209)
- BACnet device quick guide (in-depth instructions online)

Optional Accessories:

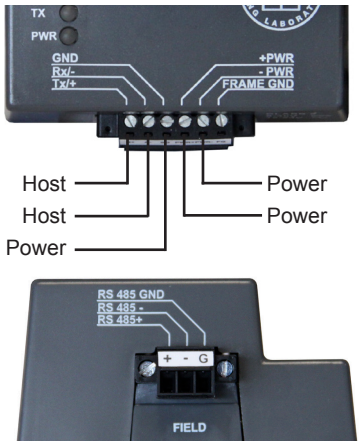
- Bus Power Supply (Cat. No. 1822440)
- Data Hub

Connections and Indicators:

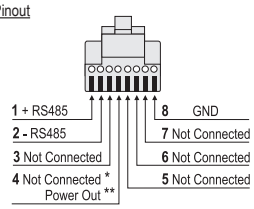
	CONNECTIONS	FUNCTION
1	**Field**	BACnet MS/TP and Modbus connection Screw terminal
2	**Ethernet Port**	Local area network configuration connection between BACnet IP and animeo IP using an RJ45 connection port
3	**Host**	Stand alone SDN or URTSI connection Screw terminal
4	**Power**	9-30V DC or 12-24V AC Screw terminal

TAG	LED INDICATORS
SPL	Not used
RUN	Once powered, wait 20 seconds and the green LED will begin to flash to indicate normal operation.
ERR	A solid red light indicates a system error on the interface.
RX	Stand alone SDN communication status
TX	Stand alone SDN communication status
PWR	Solid green at all times
RTC	Unused

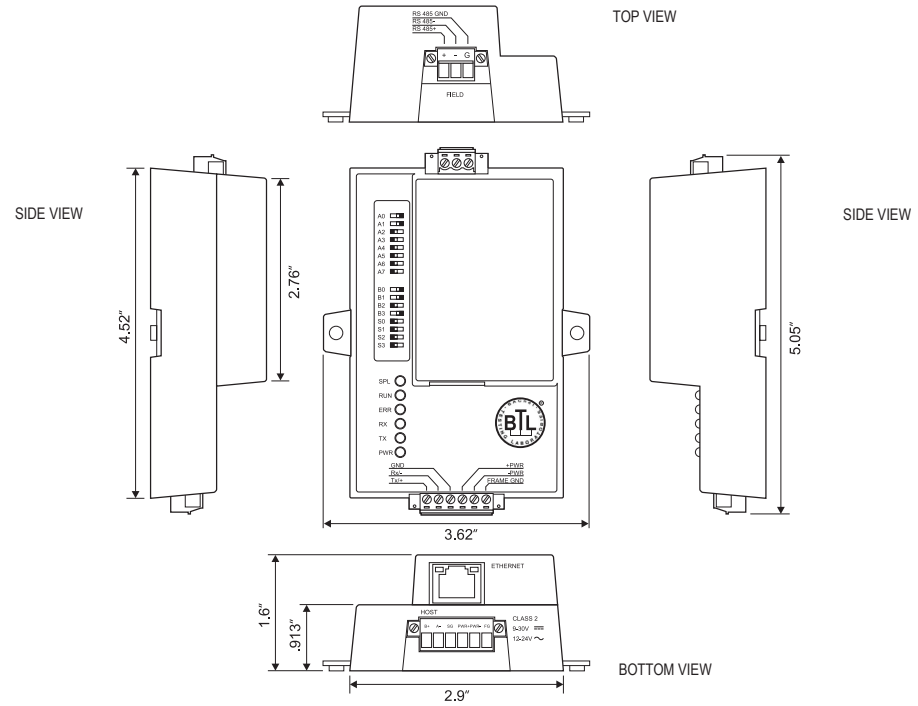
Cable Pinouts:



RJ45 Pinout

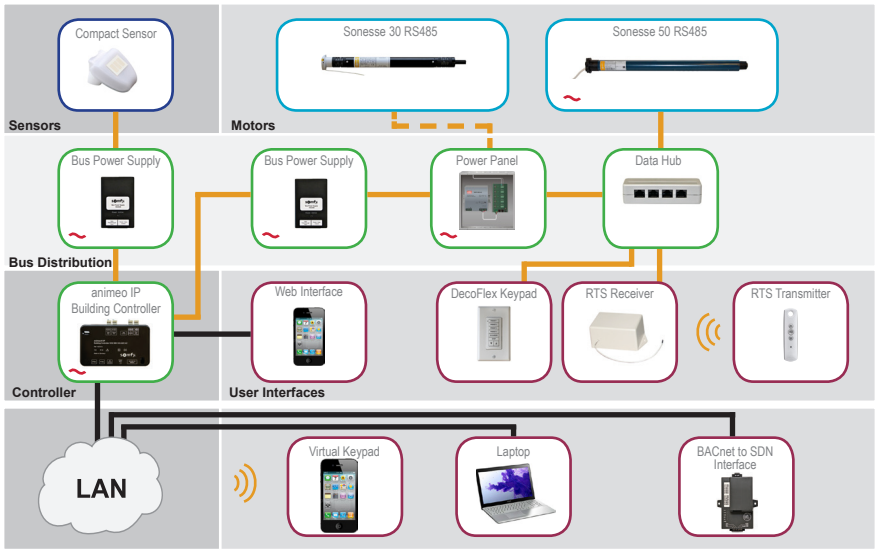


Dimensions:

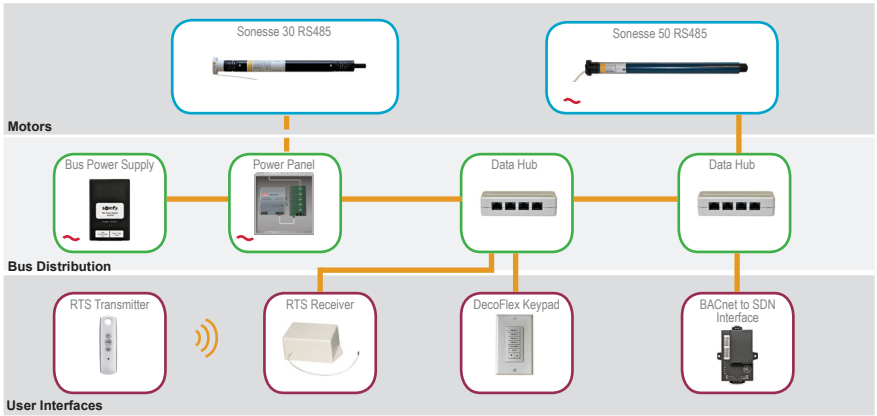


Wiring Best Practices:

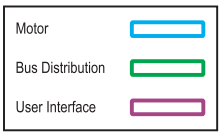
animeo IP



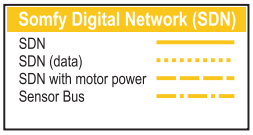
Standalone SDN



Component Types



Wiring Connection Types



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