Compact Sensor Station

Part #9015047

OVERVIEW

The Compact Sensor Station provides real time weather information to an animeo IP® system. A single Compact Sensor Station unlocks powerful environmental automation for an entire animeo IP system. Containing six independent sensors, the Compact Sensor Station monitors wind speed, rain, temperature, and three directions of sun intensity. Any of these sensors can be used in the animeo IP Visual Configuration software to configure security and comfort functions automatically adjusting window coverings ensuring energy efficient building operation.

The Compact Sensor Station connects directly to the Sensor Bus on an animeo IP Building Controller or Sub Controller. Powered though the SDN Bus Power Supply (Part# 1822440, sold separately), the compact sensor connects with only a single wire which provides communication and power. Configuring the Compact Sensor Station is done through animeo IP's New Configuration Wizard. The wizard automatically finds the station, without having to specify where in the system it is located. Once discovered, the sensor is simply named and it is amiable for use anywhere in the animeo IP configuration.

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, integrated into third party automation systems, or with Somfy's animeo® IP automated total solar management system.

TECHNICAL SPECIFICATIONS

Input	24V DC (SDN Bus Power)
Power Consumption	150mA
Material	ABS
Dimensions	4.64" L x 3.77" W x 3.03" H
IP Rating	44
Operating Temperature Range	-22° F to 122° F
IEC Application Protection	Class II
CE	
Shipping Weight	1 lb.

FEATURES SUMMARY

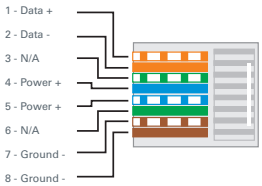
- Six independent Sensors
  - Wind Speed
  - Heated Rain
  - Temperature
  - Sun intensity (3)
- Auto-discoverable
- Pole or wall mountable
- Weather tight RJ45 connector

WHAT'S IN THE BOX

- Compact Sensor Station
- Instructions with insert
- Mounting Bracket
  - Weather proofing putty
  - Weather tight RJ45 connection

CABLE PINOUTS

SDN Cable Pinout: (RJ45 connector)
ANSI/TIA/EIA 568-B Standard

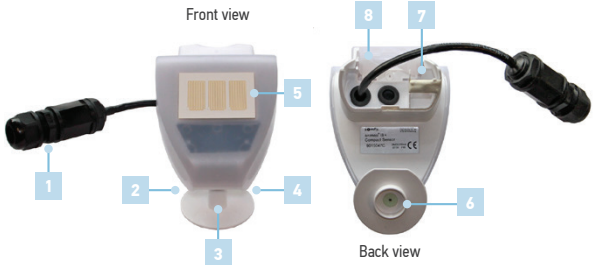


RELATED PRODUCTS

• Bus & Sensor Station Power Supply	1822440 (requires 1 for operation)
• animeo® IP Building Controller	1822314

CONNECTIONS AND INDICATORS

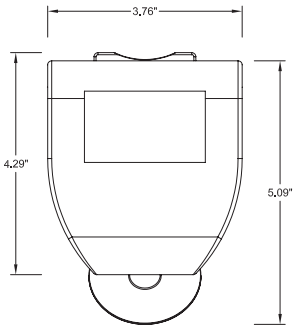
	ELEMENT	FUNCTION
1	Sensor Bus Connection	RJ45 connection for data + power (SDN Bus w/ power)
2	Sun Sensor	Western Sun Sensor (sensor mounting southern exposure)
3	Sun Sensor	Southern Sun Sensor (sensor mounting southern exposure)
4	Sun Sensor	Eastern Sun Sensor (sensor mounting southern exposure)
5	Rain Sensor	Measure precipitation
6	Wind Sensor	Measure wind speed
7	Temperature Sensor	Measure temperature
8	Mounting Bracket	Wall or Pole mount bracket



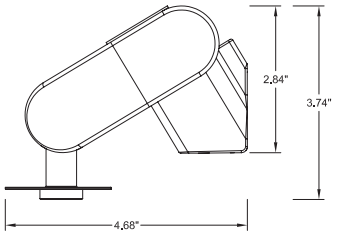
Compact Sensor Station

DIMENSIONS

FRONT VIEW



SIDE VIEW



Cable length 9"

BEST WIRING PRACTICES

The Compact Sensor Station has a single SDN connection which is utilized for communication and power. The sensor connects through the Sensor Bus of any Building Controller or Sub Controller in the animeo® IP network, it is powered though the SDN Bus Power Supply (Part# 1822440, sold separately). To connect, use the individual conductors of a Cat 5 cable, connect Orange to A and White Orange to B on the terminal block of the Building Controller or Sub Controller SDN Sensor Bus. Then using an RJ45 connect to the Data pass-through port on the SDN Bus Power Supply, then the Power/Data Output of the Bus Power supply to the Female RJ45 on the Compact Sensor. It is recommended that wires connecting the Sensor to a Building Controller or Sub Controller does not total more then 150 ft.

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.