

animeo® IB+ TouchBuco™ Standard/BACnet



Standard: #1860254 (4 Zone), 1860255 (8 Zone)

BACnet: #1860308 (4 Zone), 1860309 (8 Zone)

OVERVIEW:

The **animeo® IB+ Touch Building Controller (TouchBuco™)** is a centralized unit designed for solar shading and window automation to control up to four or up to eight individual façade orientations of a building. It answers to different building segments such as public, commercial, healthcare, education and is applicable for any interior or exterior application. Configuration, monitoring and maintenance guide you step-by-step on an intuitive capacitive 7-inch user touch screen providing a wide range of useful functions optimizing building performance.

The TouchBuco is compatible with all animeo IB+ Motor Controllers and the new 2 wire IB+ bus technology.

The TouchBuco BACnet integrates with the building management system via BACnet IP.



FEATURES SUMMARY:

Functional Advantages:

- Takes weather conditions and occupants' behavior into account to optimize management of solar shadings for comfort and energy saving.
- Simple assignment of the shades to a façade orientation. Adaption possible at any time without change of wiring.
- Several 4 Zone or 8 Zone TouchBuco can be connected to one weather station.
- Offers a wide range of functions and parameters designed for different types of applications (Venetian blinds, screens, roller shutters, windows), building types and user needs.
- Solar management: instead of one fixed position, several different positions can be actuated per day for each façade.
- Able to create multiple segments up to 5 TouchBucos expanding the number of zones.
- BACnet Version: Sensor values can be shared with the BMS. The BMS can send commands to any zone with the desired priority level.
 - > BACnet connection to manage zones and/or get information about external weather conditions (via BACnet IP).

Installation Advantages:

- Practical and innovative clip-on mechanism for integration into any type of wall environment
- Suitable for flush-mounting and surface mounting
- Plug connectors for failure-proof connections
- Direct connection of sensors/weather station for receiving weather data
- Standard RJ45 connectors for IP network and remote access

WHAT'S IN THE BOX:

- animeo® IB+ TouchBuco Standard or BACnet version 4 Zone or 8 Zone
- Installation Instructions
- Flush Mount Box #9019837*

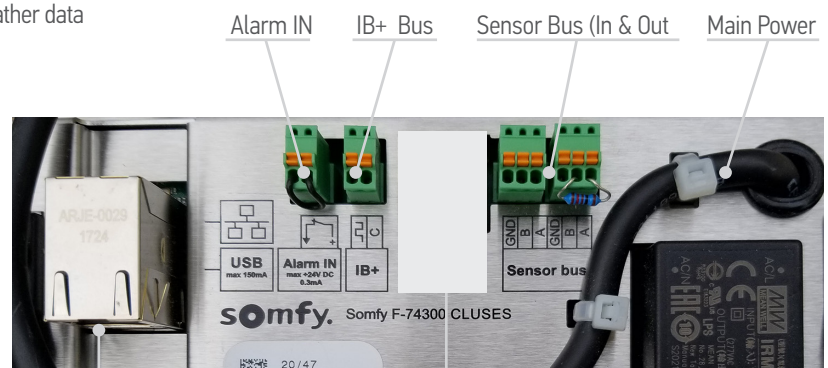
* Required, boxed separately

TECHNICAL SPECIFICATIONS:

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| ■ Power Input: | 100-230V AC / 50/60 Hz |
| ■ External overcurrent protection: | 16 A protection required |
| ■ Stand-by current: | (IEC 62301) 72 mA@120V AC
(36 mA@230V AC) |
| ■ Stand-by power: | (IEC 62301) 3.7 W@120V AC
(3.5 W@230V AC) |
| ■ Terminals: | Pluggable spring connectors |
| ■ Supply voltage of sensor bus output: | SELV, 16V DC |
| ■ Supply voltage of alarm input: | Normally closed, max. SELV 24V DC |
| ■ Supply voltage of IB+ bus output: | SELV, 16V DC |
| ■ Operating temperature range: | 32°F to 113°F (0°C to 45°C) |
| ■ Relative humidity: | max. 85 % |
| ■ Material: | Glass, metal and CC-ABS polycarbonate |
| ■ Dimensions (w x h x d): | 7.87 x 5.2 x 2.84 in. (200 x 132 x 72 mm.) |
| ■ Shipping Weight: | 2.1 lbs. |
| ■ Degree of protection: | IP 20 |
| ■ Protection class: | I |
| ■ Conformity: | www.somfy.com/ce |
| ■ Product Qualification | UL Certified (E160923) |



CABLE PINOUTS:



USB & Network

NOT USED

OPTIONAL ACCESSORIES:

■ Surface Mount Box	9019838
■ RS485 Sensor Hub	9018147
■ Sensor Hub Power Supply (DRM)	9017611
■ RTS Radio Module	1860105
■ Smoove Origin IB	1870272
■ Inside Sensor Box	9001614
■ Housing for Inside Temperature Sensor	9008045
■ Inside Temperature Sensor	9008044
■ 4 AC Motor Controller	1860049
■ 4 DC Motor Controller	1870451
■ Bus Power Supply	1822440
■ Compact Sensor	9015047
■ Outside Sensor Box	9001606
■ Wind Speed Sensor	9001608
■ Heated Wind Speed Sensor	9140180
■ Wind Direction Sensor	9013807
■ Outside Temperature Sensor	9001611
■ Rain Sensor (Ondeis) 24V	9016344
■ Sun Sensor (only as a kit)	9154043
■ animeo Decora Switch (Single & Dual)	1800432, 1800064 1800074, 1800075

WIRING:

Connection	Cables	Twisted pairs	Max. distance
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120-230V AC 3 x 0.75mm²/18 AWG

Cable Conductor Functions	Power Cable Conductor Legend	
	Common North America	Common European
GROUND	GREEN or Copper wire	YELLOW/GREEN
NEUTRAL	WHITE	BLUE
HOT	BLACK	BROWN

Alarm in	Min.: 2 x 0.6 mm /22 AWG Max.: 2 x 0.8 mm /20 AWG	-	150 m/500 ft
Sensor bus*	Min.: 2 x 0.6 mm /22 AWG Max.: 2 x 0.8 mm /20 AWG	Required	500 m/1.650 ft
IB+ bus	Min.: 2 x 0.6 mm /22 AWG Max.: 2 x 0.8 mm /20 AWG	Recommended	1000 m/3.300 ft

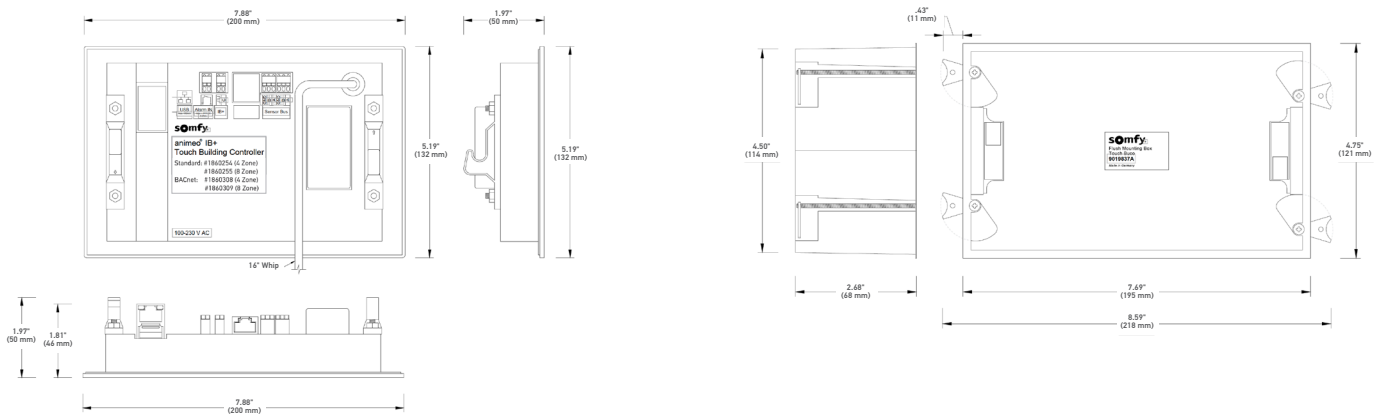
* Sensor Bus must end with a 120 Ohm resistor (included with TouchBucos and Somfy Sensors).

CLASSIFICATION:

- The Building Controller is an operating control, electrically operated and independently-mounted control.
- Class A control function
- Type 1 action
- Pollution degree: 2
- Rated impulse voltage: 2.5kV
- Method of attachment for non-detachable cords: not foreseen for replacement
- EMC emission test: $U_{AC}=230V AC$ $I_{AC}=60mA$ (EN 55022 Class B emission)



DIMENSIONS:



BEST WIRING PRACTICES

The diagram shown 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 animeo IB+ wiring standards for distance limitations.

- Combine up to 5 TouchBucos on each IB+ and Sensor Bus line. More than 5 TouchBucos requires an RS485 Sensor Hub (9018147) to combine add TouchBuco segments.
- Integrate RTS Controls into Motor Controllers using RTS Radio Module (1860105).
- Maximum system limitations:
 - IB+ Bus: 100 Motor Controllers on 3,300 ft. of animeo IB+ Bus wiring.
 - Sensor Bus: 2 Inside Sensor Boxes and 1 sensor station on the TouchBuco Sensor Bus.
 - Local Controls: 330 ft. between Motor Controllers and local controls.
 - Motors: 500 ft. between each motor and the Motor Controllers.

