

4-zone Building Controller 220-230 V AC

animeo Solo

animeo IB+

animeo KNX

animeo LON

SOLUTIONS FOR BUILDING CONTROL



Ref. 1822395

Building controller for solar shading and window automation to control up to four individual façades/zone orientations.

Each zone can connect up to 100 animeo IB+ Motor Controllers to control any type of solar shading application.

Compatible with all IB+ Motor Controllers, incl. Smoove UNO IB+.

Installation advantages

- > Spring tension terminals and double terminals for safer and quicker installation.
- > Direct inputs to connect to 3rd party cooling and heating systems.
- > Status feedback through LEDs.
- > Designed for DIN rail installation in the electrical cabinet.

Functional advantages

- > Takes weather conditions and building occupancy into account to optimize management of solar shadings for comfort and energy saving.
- > Simple and intuitive configuration, monitoring and maintenance through animeo IB+ system and operating software.
- > Offers a range of functions and parameters designed for different types of application (Venetian blinds, screens, roller shutters, windows), building types and user needs.
- > Sun tracking instead of one fixed position, up to three different positions can be actuated per day for each zone. These three positions can be set by the software and can differ automatically for each month.

Wiring

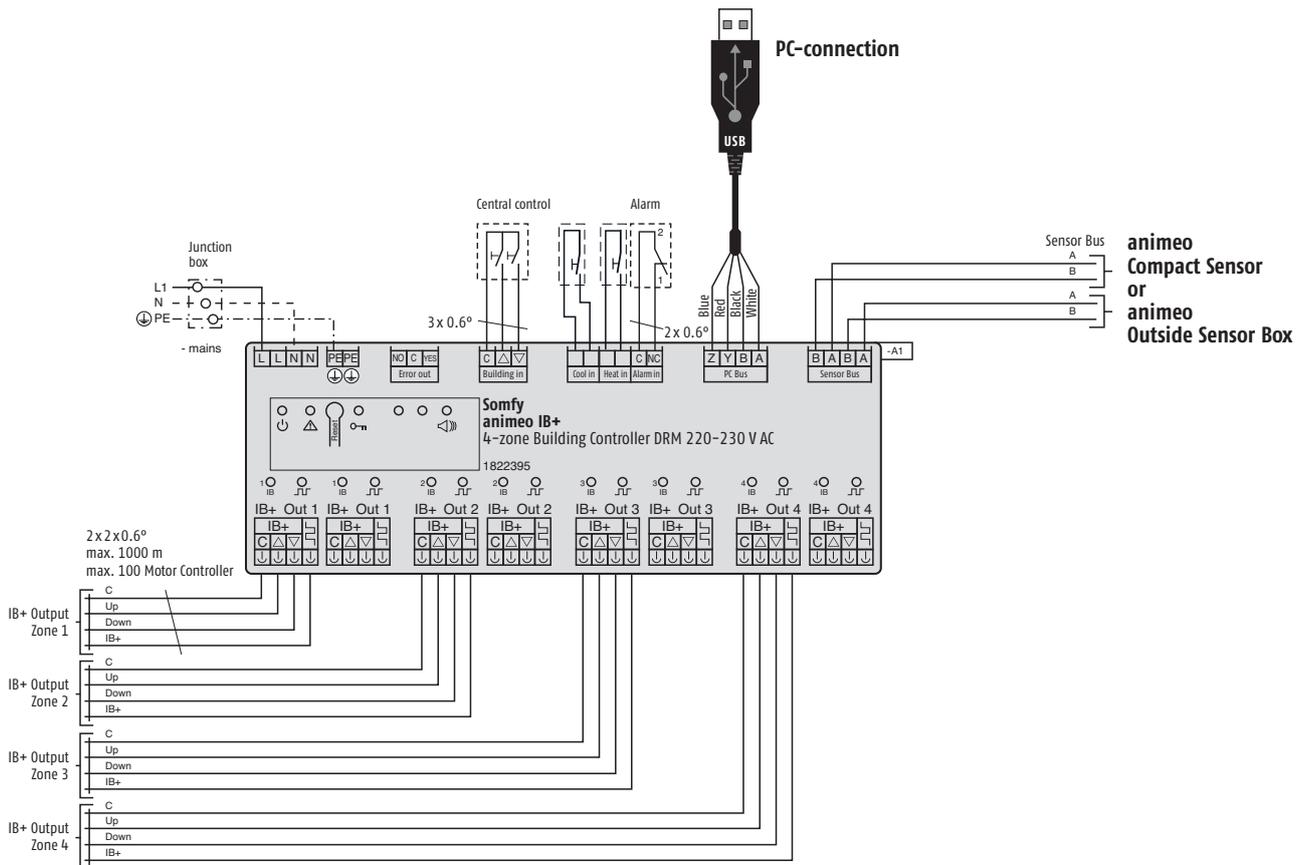
Connection	Cables	Twisted pairs	Max. distance
220-230 V AC	Min.: 3 x 1.5 mm ² /16 AWG Max.: 3 x 2.5 mm ² /13 AWG	—	—
Error out	Min.: 3 x 0.6 mm/22 AWG Max.: 3 x 2.5 mm ² /13 AWG	—	100 m/ 330 ft
Building in	Min.: 3 x 0.6 mm/22 AWG Max.: 3 x 2.5 mm ² /13 AWG	—	50 m/165 ft
Cool in	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 2.5 mm ² /13 AWG	—	150 m/500 ft
Heat in	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 2.5 mm ² /13 AWG	—	150 m/500 ft
Alarm in	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 2.5 mm ² /13 AWG	—	150 m/500 ft
PC Bus	Min.: 4 x 0.6 mm/22 AWG Max.: 4 x 0.8 mm/20 AWG	Required	500 m/1650 ft RS485, 10 m/ 33 ft USB
Sensor Bus	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 0.8 mm/20 AWG	Required	500 m/1650 ft
IB+ bus	Min.: 4 x 0.6 mm/22 AWG Max.: 4 x 1.5 mm ² /16 AWG	Recommended	1000 m/ 3300 ft

Classification

The Building Controller is an electronic operating control, electrically operated and independently-mounted.

- Class A control function
- Type 1 action
- Pollution degree: 2
- Rated impulse voltage: 4 kV
- Temperature of the ball hardness test: 75 ° C
- Type X attachment
- Method of connection for screwless terminals: screwless spring terminal
- EMC emission test: $U_{AC} = 230V AC$ $I_{AC} = 0.05 A$ (EN 55022 Class B emission)

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CHARACTERISTICS

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Supply voltage	220-230 V AC / 50/60 Hz
Stand-by current (IEC 62301)	< 0.06 A @ 230 V AC / 50 Hz
Stand-by power (primary)	< 4 W @ 230 V AC / 50 Hz
Terminals	Spring connectors
Error out	Dry contact, NC and NO, 24 V/1 A max.
Building in	Normally open, SELV 20 V DC
Cool in	Normally open, SELV 20 V DC
Heat in	Normally open, SELV 20 V DC
Alarm in	Normally closed, SELV 20 V DC
Supply voltage of group control input	SELV, 20 V DC ---
Operating temperature	0 °C to 45 °C
Relative humidity	max. 85 %
Material of housing	PC/ABS
Housing dimensions (w x h x d)	90 x 210 x 63 mm (12 HP)
Weight	635 g
Degree of protection	IP 20
Protection class	I (looped through PE connection - depending on the installation)
Conformity	www.somfy.com/ce