# 2 AC Motor Controller 100-230 V AC

animeo Solo | animeo IB+ | animeo KNX | animeo LON

## SOLUTIONS FOR COMMERCIAL BUILDINGS





Ref. 1860209

Ref. 1860210

Motor controller for motorized roller shutters, screens, exterior Venetian blinds and windows.

For the individual controlling of 2 x 230 V AC motors via a local standard push button switch or using the animeo IB+ solar shading management system.

Available in two versions: Wall mounted (WM) and printed circuit board (PCB).

## Installation advantages

- > Flexible installation: suspended ceiling/raised floor, underwindow or wall-mounted wiring channels, electrical cabinet with clip adapter.
- > Quick installation and connection of the motor controller through:
  - · Spring tension to fasten wiring and double terminals to avoid need for a junction box.
  - Generous space for connection of single cables.
  - · Status feedback through LED's.

#### **Functional advantages**

- > Via local standard switches users can control the solar shading to the desired position and overwrite automatic operation.
- > The product enables optimized adjustment of the shading - according to the type of solar shading installed - to the desired position.
- > Venetian blind slat orientation can be limited to a certain operating range to enable energy savings while offering users freedom to adjust lighting comfort.

### Wiring

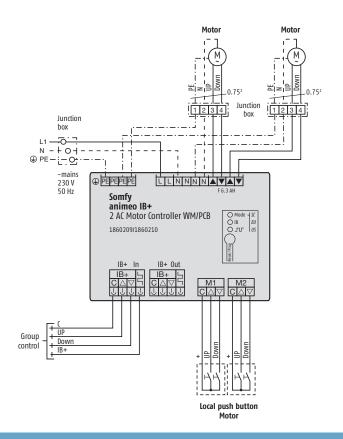
Connection	Cables	Twisted pairs	Max. distance
Motors	Min.: 4 x 0.75 mm <sup>2</sup> /18 AWG Max.: 4 x 2.5 mm <sup>2</sup> /13 AWG	i –	
Switches	Min.: 3 x 0.28 mm <sup>2</sup> /22 AWG Max.: 3 x 2.5 mm <sup>2</sup> /13 AWG	Recommended	100 m/ 330 ft
IB+ bus	Min.: 4 x 0.28 mm <sup>2</sup> /22 AWG Max.: 4 x 1.5 mm <sup>2</sup> /15 AWG	Recommended	1000 m 3,300 ft
100-230 V AC	Min.: 3 x 1.5 mm <sup>2</sup> /15 AWG Max.: 3 x 2.5 mm <sup>2</sup> /13 AWG	-	

#### Classification

The Motor Controller is an electronically and manually-operated, independently-mounted control.

- Class A control function
- Type 1 action
- · Pollution degree: 2
- · Rated impulse voltage: 2.5 kV
- Temperature of the ball hardness test: 75 °C
- Type X attachment
- · Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test:  $U_{M} = 230 \text{ V AC}$  $I_{M} = 0.01 A$ (EN 55022 Class B emission)





CHARACTERISTICS		
	WM Ref. 1860209	PCB Ref. 1860210
Supply voltage	100-230 V AC / 50/60 Hz	100-230 V AC / 50/60 Hz
Stand-by current (IEC 62301)	< 0.01 A @ 230 V AC	< 0.01 A @ 230 V AC
Stand-by power (IEC 62301)	< 0.5 W @ 230 V AC	< 0.5 W @ 230 V AC
Max. motor current consumption	$2 \times 3.0 \text{ A, } \cos \varphi = 0.95$	$2 \times 3.0 \text{ A, } \cos \varphi = 0.95$
Supply voltage of group control input	SELV, 16 V DC =	SELV, 16 V DC =
Supply voltage of local push buttons	SELV, 16 V DC =	SELV, 16 V DC =
Fuse for all outputs	1 x F 6.3 AH	1 x F 6.3 AH
Terminals	Spring connectors	Spring connectors
Running time per output (relay contact)	Max. 5 minutes	Max. 5 minutes
Operating temperature	0 °C to 45 °C	0 °C to 45 °C
Relative humidity	max. 85 %	max. 85%
Material of housing	PC-ABS	PC-ABS
Housing dimensions (w x h x d)	90 x 180 x 45 mm	80 x 105 x 20 mm
Degree of protection	IP 20	IP 00
Protection class	I (looped through PE connection - depending on the installation)	I (looped through PE connection - depending on the installation)
Conformity	www.somfy.com/ce	www.somfy.com/ce