

animeo LON

4 AC Motor Controller WM/DRM 220 - 230 V AC

Motor Controller for motorized roller shutters, screens, external Venetian blinds and windows to individually control four 230 V AC motors.

Four integrated LONMark #6111 "sunblind controller" – objects with a variety of functions such as sun, sun tracking, wind, wind direction, rain, frost and temperature for maximum flexibility. Each output acts as an independent controller. The priorities for these functions are freely configurable.

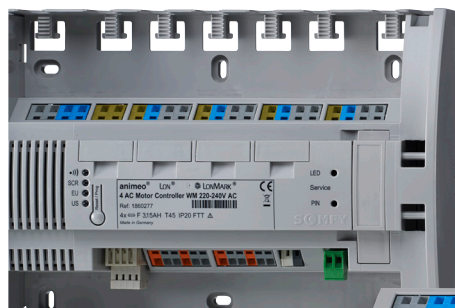
Available in two versions: wall-mounted (WM) and for DIN-rail (DRM) installation.

Installation advantages

- > Spring connectors and tension relief with cable ties for safer and quicker installation.
- > The device can be used "out of the box" without necessary programming with a LON software.
- > The animeo LON Motor Controllers are Free Topology Transceiver (FTT) devices.

Funktional advantages

- > Intelligent switching between manual and automatic operation to guarantee excellent user-friendliness and energy savings.
- > Advanced pre-programmed functions such as sun tracking.
- > Cost savings: up to 8 local push button binary inputs can be used additionally as universal LON inputs so that e.g. window contacts, temperature sensors or presence detectors can be connected.
- > Using an input signal, a LON output signal can be generated: types are setting, switch, scene or occupancy.

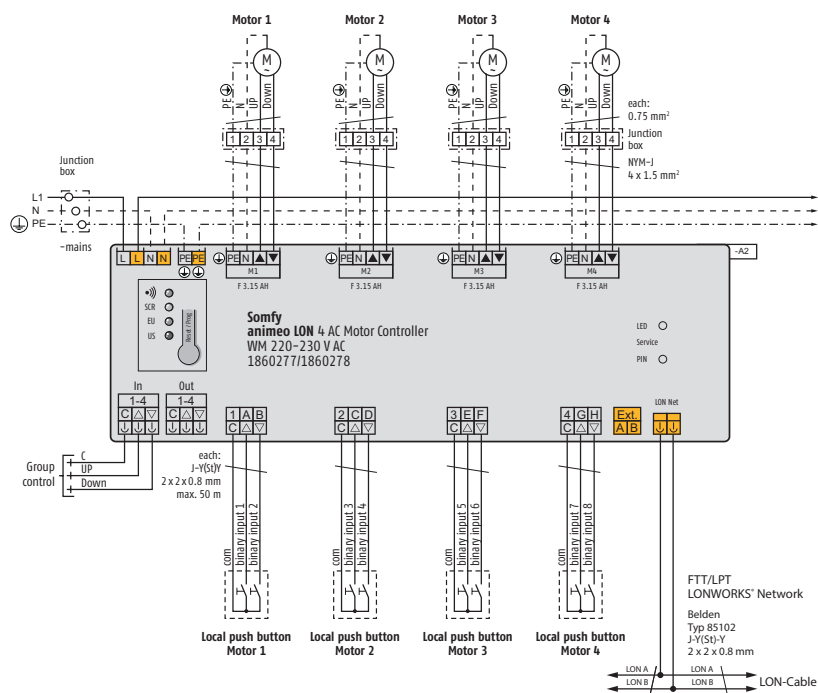


Ref. 1860277



Ref. 1860278





Characteristics

LON 4 AC Motor Controller	WM Ref. 1860277	DRM Ref. 1860278
Supply voltage	220 - 230 V AC / 50/60 Hz	220 - 230 V AC / 50/60 Hz
Stand-by current (IEC 62301)	< 48 mA@230 V AC	< 48 mA@230 V AC
Stand-by power (IEC 62301)	< 6 W@230 V AC	< 6 W@230 V AC
LON transceiver	FTT	FTT
Max. motor current consumption	4 x 3.0 A, $\cos \varphi = 0.95$	4 x 3.0 A, $\cos \varphi = 0.95$
Supply voltage of group control input	SELV, 16 V DC \approx	SELV, 16 V DC \approx
Supply voltage of local push buttons	SELV, 16 V DC \approx	SELV, 16 V DC \approx
Fuse per output	4 x F 3.15 AH	4 x F 3.15 AH
Terminals	Spring connectors	Spring connectors
Terminal LON	LON bus terminal (green)	LON bus terminal (green)
Running time per output	Max. 327 seconds	Max. 327 seconds
Operating temperature	0 °C to 45 °C	0 °C to 45 °C
Relative humidity	< 85 %	< 85 %
Material of housing	PC/ABS	PC/ABS
Housing dimensions (w x h x d)	180 x 255 x 63 mm	90 x 210 x 63 mm (12 HP)
Degree of protection	IP 20	IP 20
Protection class	I	I
Conformity	www.somfy.com/ce	www.somfy.com/ce

Wiring

Connection	Cables	Twisted pairs	Max. distance
Motors	Min.: 4 x 0.75 mm²/19 AWG Max.: 4 x 2.5 mm²/14 AWG	–	150 m
Switches	Min.: 3 x 0.6 mm²/22 AWG Max.: 3 x 2.5 mm²/14 AWG	Recommended	100 m
Group control	Min.: 3 x 0.6 mm²/22 AWG Max.: 3 x 1.5 mm²/16 AWG	Recommended w	50 m
LON bus	2 x 0.8 mm/20 AWG	Required, following LON topology guidelines	
220-230 V AC	Min.: 3 x 1.5 mm²/16 AWG Max.: 3 x 2.5 mm²/14 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: 4 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: (EN 55022 Class B emission)

$U_{AC} = 230 \text{ V DC}$

$I_{AC} = 0.5 \text{ A}$