

4 DC/E Motor Controller WM/DRM 220–240 V AC

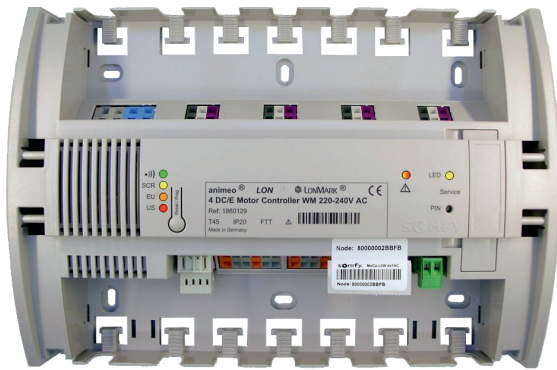
animeo Solo

animeo IB+

animeo KNX

animeo LON

SOLUTIONS FOR COMMERCIAL BUILDINGS



Ref. 1860129

Motor controller for interior blinds, interior Venetian blinds and windows.

To individually control four 24 VDC motors or 24-V DC/E encoder motors.

Available in two versions: for 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.

Functional advantages

- > All windows can be managed independently from each other.
- > Intelligent switching between manual and automatic operation to guarantee excellent user-friendliness and energy savings.
- > Cost savings through the use of 8 freely defineable binary inputs.
- > Enables very precise slats orientation and/or load bars alignment thanks to Somfy LW25 E83 Motor Encoder.

Wiring

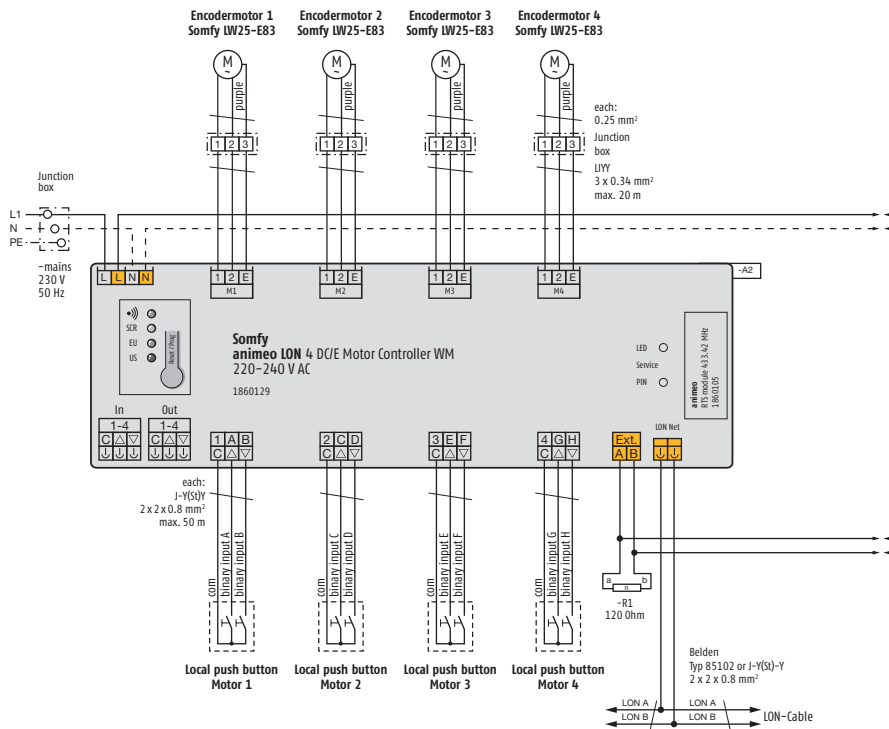
Connection	Cables	Twisted pairs	Max. distance
Motors	Min.: 3 x 0.6 mm ² /22 AWG Max.: 3 x 2.5 mm ² /14 AWG	–	20 m
Switches	Min.: 3 x 0.6 mm ² /22 AWG Max.: 3 x 2.5 mm ² /14 AWG	Recommended	100 m
Group control	Min.: 3 x 0.6 mm ² /22 AWG Max.: 3 x 1.5 mm ² /16 AWG	Recommended	50 m
LON bus	2 x 0.8 mm ² /20 AWG	Required, following LON topology guidelines	
Ext. (LON Somfy Subnet)	Min.: 2 x 0.25 mm ² /24 AWG Max.: 2 x 0.75 mm ² /18 AWG	Required	200 m
220–240 V AC	Min.: 3 x 1.5 mm ² /16 AWG Max.: 3 x 2.5 mm ² /14 AWG		10 m

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: $U_{AC} = 230 \text{ V AC}$ $I_{AC} = 0.5 \text{ A}$ (EN 55022 Class B emission)

somfy®



CHARACTERISTICS

	WM Ref. 1860129	DRM Ref. 1860199
Supply voltage	220-240 V AC / 50/60 Hz	220-240 V AC / 50/60 Hz
Stand-by current (IEC 62301)	52 mA @ 230 V AC	52 mA @ 230 V AC
Stand-by power (IEC 62301)	5.1 W @ 230 V AC	5.1 W @ 230 V AC
LON transceiver	FTT	FTT
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 =
Output	Short circuit protected	Short circuit protected
Terminals	Spring connectors	Spring connectors
Terminal LON	LON bus terminal (green)	LON bus terminal (green)
Running time per output	Max. 5 minutes or 5000 mm	Max. 5 minutes or 5000 mm
Operating temperature	0 °C to 45 °C	0 °C to 45 °C
Relative humidity	85 %	85 %
Material of housing	CC-ABS polycarbonate	CC-ABS polycarbonate
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	II	II
Conformity	www.somfy.com/ce	www.somfy.com/ce