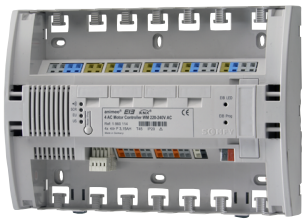
4 AC Motor Controller WM/DRM 220-240 V AC



Ref. 1860114

Ref. 1860116

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

To individually control four 230 V AC motors.

One full Din rail version is available for integration in electrical cabinet.

Installation advantages

> The use of plug connectors enables time savings and less wiring errors.

> Flexible installation options: on DIN rail or with screws.

> Testing of running direction of the motors can be done with the motor controller itself before the ETS integration programming.

Functional advantages

> Via local standard switches users can control the solar shading to the desired position and overwrite automatic operation.

> Each motor output can be controlled individually using KNX or via individual switches.

> The 8 inputs to connect local push-button switches can also be used to send orders via KNX to create - with ETS - individual groups of motors controlled by local switches.

> The inputs can also manage switching and dimming via the KNX bus.

> By plugging the KNX/RTS receiver (ref.1860187) into the motor controller at any time, the RTS range of user interfaces can be used.

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 mm/22 AWG Max.: 3 x 2.5 mm²/14 AWG	Recommended	100 m
Group control	Min.: 3 x 0.6 mm/22 AWG Max.: 3 x 1.5 mm²/16 AWG	Recommended	50 m
KNX bus	2 x 0.8 mm/20 AWG	Required, according KNX topology guidelines	
220 - 240 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: U_{AC} = 230 V DC I_{AC} = 0.5 A (EN 55022 Class B emission)

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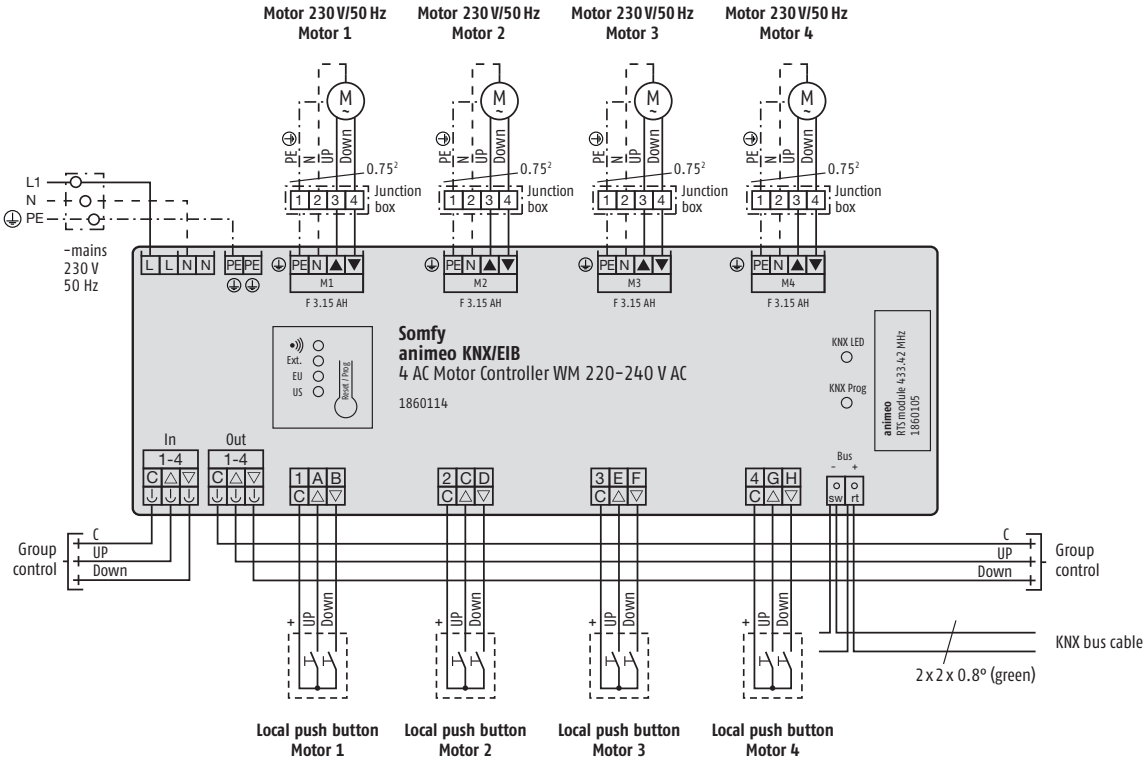
SOLUTIONS FOR COMMERCIAL BUILDINGS



CHARACTERISTICS

	WM Ref. 1860114	DRM Ref. 1860116
Supply voltage	220-240 V AC / 50/60 Hz	220-240 V AC / 50/60 Hz
Stand-by current (IEC 62301)	6 mA@230 V AC	6 mA@230 V AC
Stand-by power (IEC 62301)	< 0,5 W@230 V AC	< 0,5 W @ 230 V AC
Supply voltage from KNX bus	KNX-voltage 21 ... 30 V DC, SELV	KNX-voltage 21 ... 30 V DC, SELV
Rated current consumption KNX	As per KNX guideline; 10 mA	As per KNX guidelines, 10 mA
Max. motor current consumption	4 x 3.0 A, cos φ = 0.95	4 x 3.0 A, cos φ = 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 per output	4 x F 3.15 AH	4 x F 3.15 AH
Terminals	Spring connectors	Spring connectors
Terminal KNX	KNX bus terminal (black/red)	KNX bus terminal (black/red)
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	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 (looped through PE connection - depending on the installation)	II (looped through PE connection - depending on the installation)
Conformity	www.somfy.com/ce	www.somfy.com/ce