animeo LON
4 DC 2 A Motor Controller 24 V DC

Motor Controller for interior blinds, interior Venetian blinds and windows to individually control four 24 V DC 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 wall-mounted (WM) version.

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
> 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.
Characteristics

**LON 4 DC 2A Motor Controller**  
**WM Ref. 1860281**

- **Supply voltage**: 24 V DC (min. 21.5 V DC – max. 28 V DC) SELV
- **Stand-by current (IEC 62301)**: 42 mA @ 24 V DC
- **Stand-by power (IEC 62301)**: 1 W @ 24 V DC
- **LON transceiver**: FTT
- **Max. motor current consumption**: 4 x 2.3 A @ 24 V DC
- **Supply voltage of group control input**: SELV, 15 V DC
- **Supply voltage of local push buttons**: SELV, 15 V DC
- **Input/output**: Short circuit protected
- **Terminals**: Spring connectors
- **Running time per output**: Max. 5 minutes
- **Operating temperature**: 0 °C to 45 °C
- **Relative humidity**: Max. 85 %
- **Material of housing**: PC/ABS
- **Housing dimensions (w x h x d)**: 180 x 255 x 63 mm
- **Weight**: 670 g
- **Degree of protection**: IP 20
- **Protection class**: III
- **Conformity**: www.somfy.com/ce

**Wiring**

<table>
<thead>
<tr>
<th>Connection</th>
<th>Cables</th>
<th>Twisted pairs</th>
<th>Max. distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motors</td>
<td>Min.: 2 x 0.6 mm/22 AWG</td>
<td>-</td>
<td>20 m/66 ft</td>
</tr>
<tr>
<td></td>
<td>Max.: 2 x 2.5 mm/14 AWG</td>
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</tr>
<tr>
<td>Switches</td>
<td>Min.: 3 x 0.6 mm/22 AWG</td>
<td>Recommended</td>
<td>100 m/ 330 ft</td>
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<tr>
<td></td>
<td>Max.: 3 x 2.5 mm/14 AWG</td>
<td></td>
<td></td>
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<tr>
<td>Group control</td>
<td>Min.: 3 x 0.6 mm/22 AWG</td>
<td>Recommended</td>
<td>50 m/ 165 ft</td>
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<tr>
<td></td>
<td>Max.: 3 x 1.5 mm/16 AWG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LON bus</td>
<td>2 x 0.8 mm/20 AWG</td>
<td>Required, following LON topology guidelines</td>
<td></td>
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<tr>
<td>24 V DC</td>
<td>Min.: 2 x 1.5 mm²/16 AWG</td>
<td></td>
<td>10 m/33 ft</td>
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<tr>
<td></td>
<td>Max.: 2 x 2.5 mm²/14 AWG</td>
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</tbody>
</table>

**Classification**

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

- Class A control function
- Type 1 action
- Pollution degree: 2
- Type X attachment
- Method of connection for screwless terminals: screwless spring terminal
- EMC emission test:
  - $U_{dc} = 24$ V DC
  - $I_{dc} = 4.5$ A

If you do not use Somfy motors please follow the additional information in our detailed installation guide (www.somfy.com).