Weather Station M8
Ref. 1860306

OVERVIEW

The Weather Station M8 has a total of 8 sensors. By collecting the external conditions in 4 different orientations, it contributes to the occupants’ comfort, reduced energy consumption and the security of the installation. For façade and roof mounting.

INSTALLATION FEATURES

> 4 pins (RS485 cable connection and power supply).
> Must be used with a power supply 24 V.DC (+ 10 % / - 30 %).
> The place where the sensor is installed might have an impact on the measured values.

FUNCTIONAL FEATURES

The Weather Station M8 includes sensors to suit many different requirements:
> 4 Lux sensors for glare control and natural light management,
> Outside temperature sensor for energy optimisation,
> Sensor for wind speed and rain to protect external shades or blinds.

WHAT’S IN THE BOX

> animeo Weather Station M8
> Installation guide
> Tension relief fixation

OPTIONAL ACCESSORIES

> Mast Adaptor for Weather Station (ref. 1860321)
> Metallic Mast for Weather Station (ref. 1860322)
  (3 x Metallic Mast of 1 m each (ref. 1860335) and 1 x Wall Mount Bracket (ref. 1860336))
> Bracket for Weather Station (ref. 1860320)

CONNECTIONS

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Twisted pair, rigid cable</td>
</tr>
<tr>
<td>+</td>
<td>Data +</td>
</tr>
<tr>
<td>Min.: 2 x 0.3 mm²/22 AWG</td>
<td></td>
</tr>
<tr>
<td>Max.: 2 x 0.5 mm²/20 AWG</td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Data -</td>
</tr>
<tr>
<td>B</td>
<td>Supply voltage</td>
</tr>
<tr>
<td>24 V DC + 10 %/- 30 %</td>
<td></td>
</tr>
<tr>
<td>+</td>
<td>Ground</td>
</tr>
<tr>
<td>Min.: 2 x 0.3 mm²/22 AWG</td>
<td></td>
</tr>
<tr>
<td>Max.: 2 x 0.5 mm²/20 AWG</td>
<td></td>
</tr>
<tr>
<td>Power and data cable</td>
<td></td>
</tr>
</tbody>
</table>
CHARACTERISTICS

Weather Station M8  Ref. 1860306

Supply voltage  24 V DC + 10 %/- 30 %

Power Supply  Mandatory use of certified power supply with limited power (certified according to the relevant version of 60950-1 or 62368-1, EN/IEC or UL as needed in the country of use). Limited power classified as LPS, PS2 or UL class II (according to standard)

Max. current  230 mA@24 V

Operating temperature  -30 °C...+70 °C

Material of housing  Polycarbonate

Housing dimensions (h, Ø)  105 mm, 103 mm

Weight  162 g

Protection class  

Degree of protection  IP44 in working position

Conformity  www.somfy.com/ce

Sensors

<table>
<thead>
<tr>
<th>Sensors</th>
<th>Measuring Range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind speed</td>
<td>0...35 m/s</td>
<td>0.1 m/s</td>
<td>± 5 % (± 1 m/s) rms over 360°</td>
</tr>
<tr>
<td>Brightness (x 4)</td>
<td>0...100 klux</td>
<td>0.1 klux</td>
<td>± 200 Lux with &lt; 2 kLux; ± 10 % with ≥ 2 kLux</td>
</tr>
<tr>
<td>Temperature</td>
<td>-30...+ 50° C</td>
<td>0.1° C</td>
<td>± 1° C with laminar flow and windspeed &gt; 2 m/s</td>
</tr>
<tr>
<td>Precipitation</td>
<td>1/0 (precipitation yes/no)</td>
<td></td>
<td>Thermal output, sensor dry, bedewing protection: 0.1 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Thermal output, sensor wet, drying phase: 1.1 W</td>
</tr>
</tbody>
</table>

WIRING

Weather Station

max. 500 m

Sensor bus

24 V DC Power Supply

IP Building Controller
Ref. 1822314

IB+ Building Controller
Ref. 1822356/1822364

LON Sensor Interface
Ref. 1860161

KNX Master Control
Ref. 1860193/1860187

IB+ Touch Building Controller / BACnet
Ref. 1860254/1860255
Ref. 1870474/1870475