

Weather Station M13

Ref. 1860307



OVERVIEW

The Weather Station M13 has a total of 13 sensors. By collecting the external conditions in 8 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.

WHAT'S IN THE BOX

- > animeo Weather Station M13
- > Installation guide
- > Tension relief fixation

FUNCTIONAL FEATURES

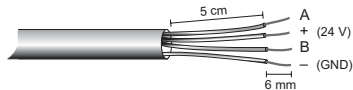
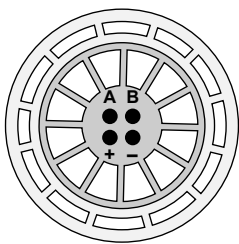
The Weather Station M13 includes sensors to suit many different requirements:

- > 8 Lux sensors for glare control and natural light management,
- > Outside temperature sensor for energy optimisation,
- > Sensor for wind speed, wind direction and rain to protect the external shades or blinds.

OPTIONAL ACCESSORIES

- > Bracket for Weather Station - ref. 1860320
- > Mast Adaptor for Weather Station - ref. 1860321
- > Metallic Mast - ref. 1860335
- > Wall Mount Bracket - ref. 1860336
- > Metallic Mast for Weather Station - ref. 1860322
(3 x Metallic Mast of 1 m each and 1 x Wall Mount Bracket)
- > Kit Mast for Weather Station with adaptor - ref. 9027035
(3 x Metallic Mast of 1 m each, 1 x Wall Mount Bracket, 1 x Mast Adaptor)

CONNECTIONS



| | | ELEMENT | FUNCTION |
|---|--------|--|---|
| A | Pair 1 | Twisted pair, rigid cable Min.: 2 x 0.28 mm ² /22 AWG Max.: 2 x 0.5 mm ² /20 AWG | Data + |
| B | | | Data - |
| + | Pair 2 | Twisted pair, rigid cable Min.: 2 x 0.28 mm ² /22 AWG Max.: 2 x 0.5 mm ² /20 AWG | Supply voltage 24 V DC + 10 %/- 30 % |
| - | | | Ground |
| | | | Power and data cable |

CHARACTERISTICS

| Weather Station M13 | Ref. 1860307 |
|---------------------------|--|
| 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 | ⚡III |
| Degree of protection | IP44 in working position |
| Conformity | www.somfy.com/ce |

| Sensors | Measuring Range | Resolution | Accuracy * |
|------------------|----------------------------|---|--|
| Wind speed | 0...35 m/s | 0.1 m/s | ± 5 % (± 1 m/s) rms over 360° |
| Wind direction | 1...360° | 1° | ± 5° with laminar flow and windspeed > 2 m/s |
| Brightness (x 8) | 0...100 klux | 0.1 klux | ± 200 Lux with < 2 kLux; ± 10 % with ≥ 2 kLux |
| Temperature | - 30...+ 50° C | 0.1° C | ± 1° C with laminar flow and windspeed > 2 m/s |
| Precipitation | 1/0 (precipitation yes/no) | Thermal output, sensor dry, bedewing protection: 0.1 W Thermal output, sensor wet, drying phase: 1.1 W | |

WIRING

