

# 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.

## 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.

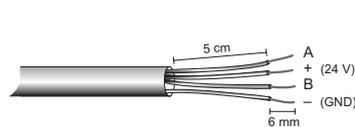
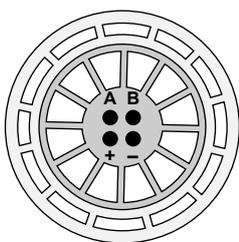
## WHAT'S IN THE BOX

- > animeo Weather Station M13
- > 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



		ELEMENT	FUNCTION
A	Pair 1	Twisted pair, rigid cable Min.: 2 x 0.3 mm <sup>2</sup> /22 AWG Max.: 2 x 0.5 mm <sup>2</sup> /20 AWG	Data +
B			Data -
+	Pair 2	Twisted pair, rigid cable Min.: 2 x 0.3 mm <sup>2</sup> /22 AWG Max.: 2 x 0.5 mm <sup>2</sup> /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

