

# Kit Weather Station M13 Power Supply

Ref. 9029485



## OVERVIEW

The kit Weather Station M13 PS 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(included)).
- > Wall mounted box with a DIN rail Power supply and a DIN rail Sensor Monitoring
- > Compatibility for roof or facade mounting.

## 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.

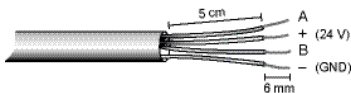
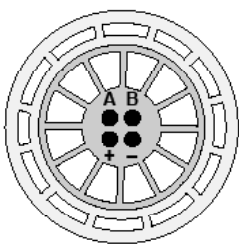
## WHAT'S IN THE BOX

- > animeo Weather Station M13
- > Power supply and its wall mounted box.
- > Installation guide

## 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



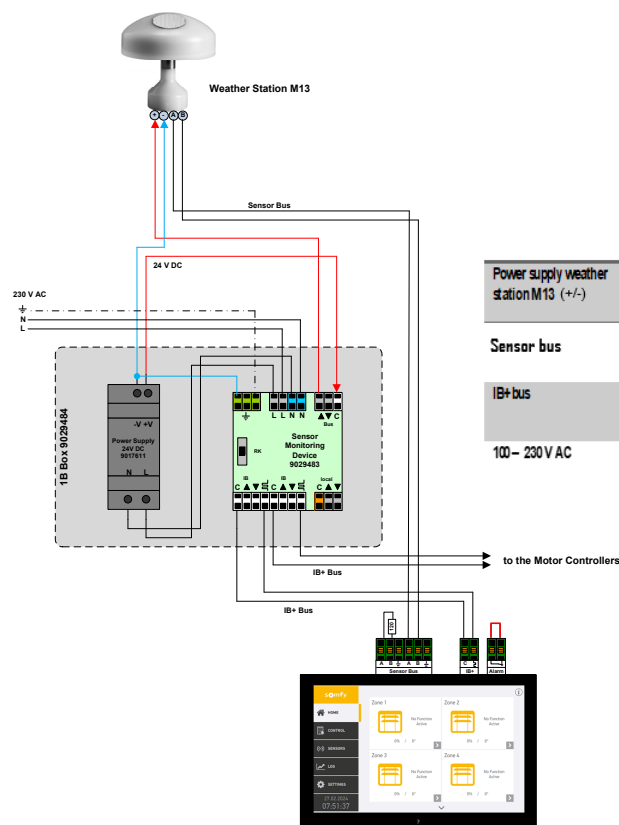
		ELEMENT	FUNCTION
A	Pair 1	Twisted pair, rigid cable Min.: 2x0.28mm <sup>2</sup> /22AWG Max.: 2x0.5mm <sup>2</sup> /20AWG	Data +
B			Data -
+	Pair 2	Twisted pair, rigid cable Min.: 2x0.28mm <sup>2</sup> /22AWG Max.: 2x0.5mm <sup>2</sup> /20AWG	Supply voltage 24 V DC + 10 %/- 30 %
-			Ground
			Power and data cable

## CHARACTERISTICS

Kit Weather Station M13 PS	Ref. 9029485
Weather station supply voltage	24 V DC + 10 %/- 30 %
Weather station Max. current	230 mA@24 V
Operating temperature	-30 °C...+70 °C for the Weather Station, Indoor use for the Power supply Box(kit)
Material of housing	Polycarbonate
Housing dimensions (h, Ø)	105 mm, 103 mm
Weight	162 g
Protection class	III
Conformity	<a href="http://www.somfy.com/ce">www.somfy.com/ce</a>
Material of housing	Polycarbonate

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



<b>Power supply weather station M13 (+/-)</b>	Min.: 2x0.28 mm <sup>2</sup> 22 AWG Max.: 2x0.5 mm <sup>2</sup> 20 AWG	Required	100 m 200 m
<b>Sensor bus</b>	Min.: 2x0.28 mm <sup>2</sup> 22 AWG Max.: 2x0.5 mm <sup>2</sup> 20 AWG	Required	500 m
<b>IB+ bus</b>	Min.: 4x0.28 mm <sup>2</sup> 22 AWG Max.: 4x1.5 mm <sup>2</sup> 15 AWG	Recommended	1000 m
<b>100 – 230 V AC</b>	Min.: 3x1.5 mm <sup>2</sup> 15 AWG Max.: 3x2.5 mm <sup>2</sup> 13 AWG		

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