

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.

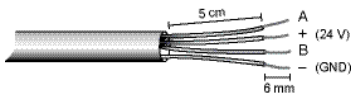
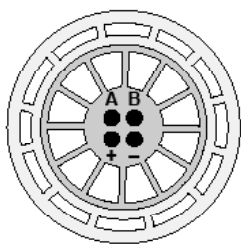
WHAT'S IN THE BOX

- > 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



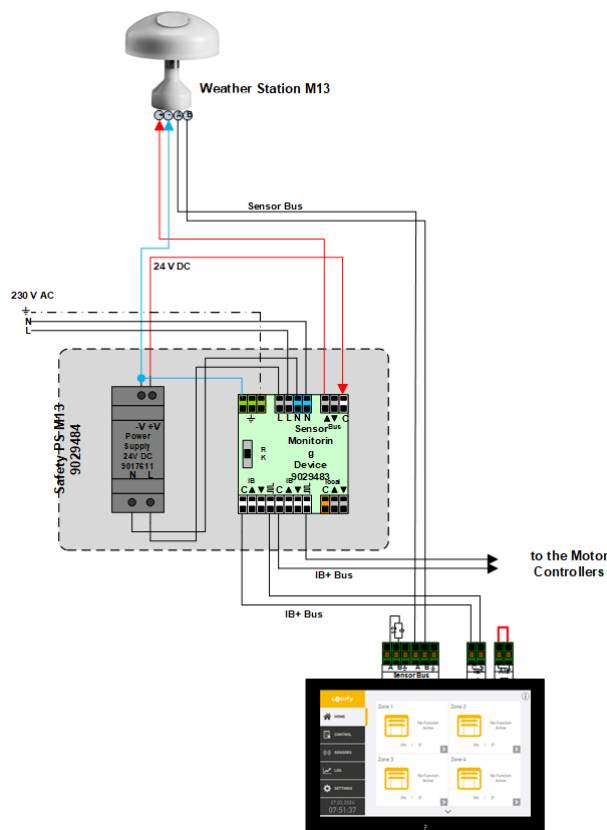
		ELEMENT	FUNCTION
A	Pair 1	Twisted pair, rigid cable Min.: 2x0.28mm ² /22AWG Max.: 2x0.5mm ² /20AWG	Data +
B			Data -
+	Pair 2	Twisted pair, rigid cable Min.: 2x0.28mm ² /22AWG Max.: 2x0.5mm ² /20AWG	Supply voltage 24 V DC + 10 %/- 30 %
-			Ground
			Power and data cable

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
Packaging housing dimensions	40cmx30cmx30cm
Safety Power supply box dimensions	182x180x90 mm
Weight(full kit)	1300g
Protection class	III
Conformity	www.somfy.com/ce
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



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

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