



The weather station with GPS receiver measures temperature, wind speed, brightness, and detects the presence of rain.

It also receives the GPS signal, including date and time, and calculates the exact position of the sun (azimuth and elevation, optimized for UTC time slots between -1 and +3) based on the geographic coordinates and the detected time.

The measured data can be used to perform automatic switching when configurable thresholds are exceeded. The resulting states can also be used in logical AND/OR operations configurable via ETS.

All sensors and electronics for connection to the KNX bus are integrated in a single compact housing. The device is intended for installation in the European area.

Communication		KNX	Nb de modules DIN	0
Alimentation	24V ca/cc, max. 100mA		Connexion au bus KNX	KNX bus terminal
Température de fonctionn.	-30 ...+50 °C		Température de stockage	-30 ...+70 °C
Indice de protection	IP44	Norme	Transient emissions: EN 60730-1:2000 EMV Section (23, 26, H23, H26) (threshold category: B), EN 50090-2-2:1996-11 + A1:2002-01 (threshold category: B), EN 61000-6-3:2001 (threshold category: B); Interference resistance: EN 60730-1:2000 EMV Section (23, 26, H23, H26), EN 50090-2-2:1996-11 + A1:2002-01, EN 61000-6-1:2004	
Interfaces	KNX TP1	Station météo	Current absorbed by KNX bus (mA)	Max. 8 mA
Catégorie	Station météo	En saillie / sur poteau	Dimensions LxHxP (mm)	96x77x118
Montage	En saillie / sur poteau		Couleur	Blanc
Current consumption	Max. 185 mA at 12 V DC; and Max. 81 mA at 24 V DC with 10% ripple		Rain sensor heater power	1.2 W a 24V
Temperature sensor range	-40°C ... +80°C		Temperature sensor accuracy	±1°C to -10...+85°C, ±1.5°C to -25...+150°C
Temperature sensor resolution	0,1 °C		Wind sensor range	0...35 m/s
Wind sensor accuracy	At room temperature -20...+50°C: ±22% of the measured value at an incidence angle of 45°...315°		Wind sensor resolution	0,1 m/s
Brightness sensor range	0...150 000 lux		Brightness sensor accuracy	±35%
Risoluzione sensore di luminosità	1 lux a 0...120 lux, 2 lux a 121...1 046 lux, 63 lux a 1047...52363 lux, 423 lux a 52364...150000 lux			

SYMBOLE TECHNIQUE

IP

IP44

NORMES ET HOMOLOGATIONS

