Suntracer KNX – comparison of weather stations

Functions	Suntracer KNX sl	Suntracer KNX-GPS	Suntracer KNX sl light	Suntracer KNX-GPS light	Suntracer KNX sl basic	Suntracer KNX basic
Temperature measurement, 4 threshold values	✔	✔	✔	✔	✔	✔
Wind speed measurement, 3 threshold values	✔	✔	✔	✔	✔	✔
Brightness measurement (threshold values twilight/day)	✔ (4/4)	✔ (3/4)	✔ (4/4)	✔ (3/3)	✔ (4/4)	✔ (3/3)
Precipitation recognition	✔	✔	✔	✔	✔	✔
Air pressure measurement, 4 threshold values	✔	○	○	○	○	○
Integration of external KNX sensors in facades automation (indoor/outdoor temperature, brightness, pyranometer, wind)	✔	○	✔	○	○	○
Calculation of the position of the sun	✔ (CET, worldwide)	✔ (CET, worldwide)	✔ (CET, worldwide)	✔ (CET)	○	○
Shading control	✔ (8 facades)	✔ (6 facades)	✔ (5 facades)	✔ (5 facades)	○	○
Tracking of the slats and shadow edge	✔	✔	○	○	○	○
Delay times can be set (shading, threshold values) via communication objects	✔	✔	✔	○	✔	○
Blooking function for linkage and threshold value outputs	✔	✔	✔	○	✔	○
Output of status informations about facades in plain language (14 Byte), facade simulation for commissioning	✔	○	✔	○	○	○
Calendar time switch, week time switch, date/time	✔ (GPS)	✔ (GPS)	✔ (GPS)	✔ (GPS)	○	○
Output of position coordinates	✔	✔	✔	○	○	○
8 AND and 8 OR logic gates (4 inputs each)	✔ (16)	✔ (16)	✔ (16)	✔ (8)	✔ (8)	✔ (8)
8 multifunctional modules (calculators)	✔	○	✔	○	✔	○
Heat protection (at high outdoor temperature)	✔	✔	✔	○	✔	○
Frost protection (in case of precipitation at low outdoor temperature)	✔	○	✔	○	✔	○
Summer compensation for cooling	✔	○	✔	○	○	○

✔ possible/existing   ○ not possible