

Technical function description



Electrophysical wall drying

Type: **OMBRELLO®** R7+ / R14+ / R24+ / R48+

Our wireless wall dehumidification system OMBRELLO® is based on the basic electrical and magnetic principle. The emission of electromagnetic waves (long waves) in different frequencies causes a change in the frequency spectrum on the building wall, so that the tension forces that cause the rising capillary moisture can no longer form. Several frequency generators produce the necessary oscillations in the KHz and MHz range. The radiation takes place via transmitting coils.

OMBRELLO® is the world's first wall dehumidification system available in both battery and mains adapter versions. The former operates on four standard 1.5 VDC type C/ Baby/ LR14 batteries, which need to be replaced once a year. The second generates an annual power consumption of about € 8.00 to € 10.00.

OMBRELLO® wall dehumidification systems do not generate any electrosmog and do not emit any radiation that could be harmful to humans, animals or plants. The transmission power is less than 1 billionth of a watt = 1 nano watt.

Technical data

Size (h x w x d)	185 x 242 x 115mm R7+ 220 x 290 x 140mm R14+/24+/48+
Housing	ABS plastic Protection class IP 54 Splash water protected
Power input	12 VDC / 11 mA
Plug power supply	Input: 230V~/50-60Hz/200mA Output: 12VDC/ 1.4A Power connection type: Europlug CEE 7/16
Batteries	4 pcs 1.5 VDC Typ C/ Baby/ LR14
Display	Operating days and hours counter LED flashing blue
Operation	silent and free from electrosmog
Device guarantee	10 years
Lifespan	30-50 years



OMBRELLO® complies with the EMC (Electromagnetic Compatibility) directives according to the following standards:

EN 50081-1: 1992 / EN 50082-1: 1992 / EN 55022-B / EN 55011 Class 2/ Group B / EN 61000-6-3: 2007 + A1: 2011 + EN 61000-6-1/ EN 61000-6-4 + EN 61000 6-2; IEC 801-2 / IEC 801-3 / IEC 801-4 as well as ÖVE - Norm **R/62/1977**. The personal protection value limit according to **DIN/VDE 0848** and the Federal Immission Control Act are also far undercut.

OMBRELLO® bears the **CE** sign.