


CPU Controlled Device for Dehumidification of Masonry Walls, Master Unit

Application	Unit is optimized for dehumidification of masonry walls comprising differing masonry types which have been damaged by capillary moisture. The unit is designed as a Master Unit. Up to 5 Slave Units (WORKSTATION and/or INPOINT) may be connected.	
Enclosure	Rated IP 40; Impact resistant ABS; Fire rating per UL 94 HB; electrically fully isolated; Color Lava or White (RAL 9002 - no image)	
Fastenings	Attachment using screws behind the cover plates on right and left sides	
Dimensions	L = 330 mm, W = 210 mm, H = 48 mm	
Weights	2600 g	
Electrical Connection	Integrated mains adapter 230 V, 50 - 60 Hz AC, 7.5 VA; Connection cable 1.5 m per VDE /DIN 49441; During power outings the unit will not function - automatic restart when electrical supply is restored.	
Pulse Controller	Maintenance-free CPU controlled module, manufactured to industrial standards; supporting 32 work routines (pre-programmed by manufacturer); bipolar mode with active and passive phases alternating; software controlled performance parameters are optimized for varying masonry type combinations.	
Display	<p>Power: LED shows Green -unit is ready</p> <p>Pulse: LED shows Green or Yellow - unit is in passive phase LED flashes Green/Yellow - unit is in active phase; inductive feedback loop ensures visual confirmation that the unit is working correctly</p> <p>Window: Display if current routine and other call-up information</p>	
Measurement Input	Measurement input for ECODRY humidity sensor technology with integrated database - recording one measured value per day	
EMC Regulations	Interference emissions and noise immunity comply with VDE-EMC regulations; values fall well below the norms of the European EMC Standard EN 61000-3-3; they also fall below the much stricter recommendations of building biologists. EMC evaluations and assessments by independent building biologists confirm the unit to be entirely harmless for humans, animals, and plants.	
Energy Consumption	Power consumption max. 6 Watt, corresponding to 0.144 kWh/day or ca. 53 kWh annually	
Efficiency	The unit is configured for an effective radius of 15 m	
Name Plate	CE- Tag, manufacturer's data and serial number CE- Standards per 93/465/EWG and per VDE.	
Slave-Units	<p>WORKSTATION: Wall unit similar to Master Unit. Effective radius 10 m</p> <p>INPOINT: Particularly for thick walls. Effective radius 6 m</p> <p>Sensor technology for measurement of masonry humidity (no image)</p>	