



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
WECS II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

WECS II 512/02 AND WECS II 1024/02

The new WECS II controller generation is capable of bi-directional (DMX-RDM) communication. The WECS II 512/DMX/02 is the new standalone Entertainment-Controller for 512 DMX/RDM-Channels, and the WECS II 1024/

DMX/02 is the new music standalone Entertainment-Controller for 1024 DMX/RDM-channels with audio file.

Product characteristics at a glance

- Incl. Software
- Entertainment server standalone
- Entertainment server standalone with audio (56492 WECS II 1024/DMX/02)
- 512 DMX-RDM output channels standalone
- 1024 DMX-RDM output channels standalone (56492 WECS II 1024/DMX/02)
- 1024 DMX-RDM channels as interface for WECS II 2048
- Freely programmable inputs and outputs for controlling, shows, wind anemometers, water-level sensors, protections etc.
- User-friendliness
- Visual patching



WECS II 512/02

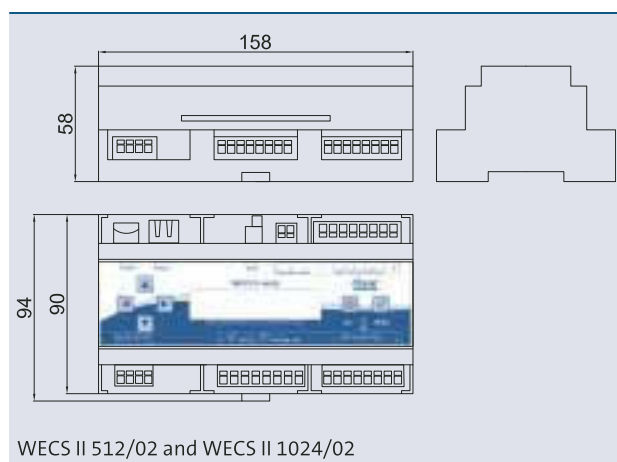
WECS II 1024/02

The fanless controller transmits DMX-RDM data packets to the individual components (lights, pumps, DMX-RDM controllable nozzles, motion etc.) which enable them to act accordingly. In turn, they analyse the received data and send back their status signals like operating hours and temperature via the same cable. These status signals enable remote diagnosis and remote maintenance of the connected components.

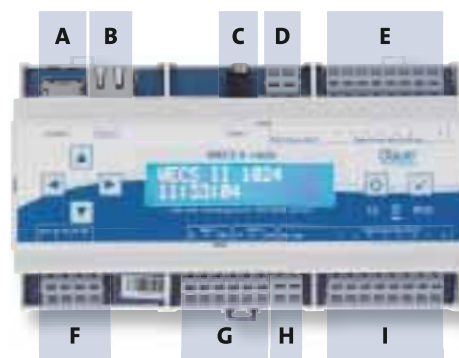
The digital inputs can be linked to water level sensors or external push buttons. That enables to control shows and faders from outside.

Furthermore, as a special feature, the OASE Wind Anemometer drives the internal wind-fader directly to control fountain heights according to the wind speed. All digital outputs can be used to switch relays and frequency converters directly.

Any number of shows or sequences for a project can be saved on the micro SD card (4 GB included).



WECS II 512/02 and WECS II 1024/02



- A** Any number of shows or sequences for a project can be saved on the micro SD card (4GB included).
- B** RJ-45 Ethernet
- C** Audio 3,5 mm stereo jack, galvanically isolated
- D** Connection of voltage supply +24V DC for digital outputs (-/+)
- E** 8x digital output 1A/output, galvanically isolated
- F** 4x connection to power supply (++) 15-24 V DC /8W
- G** 2x DMX-RDM outputs, galvanically isolated
- H** 2x grounding for digital inputs
- I** 8x digital inputs, galvanically isolated

Water Entertainment Control System	WECS II 512 /DMX/02	WECS II 1024 /DMX/02
Dimensions (L x W x H) [mm]	158 x 94 x 58 mm	
Weight	0.33 kg	
Housing	Polycarbonate Light grey/white/blue for top-hat rail mounting (35mm DIN rail) or wall fastening	
Protection class	IP20	
Power supply	15..24V DC / 8W	
Operation temperature	0..40°C / 0..80% humidity non-condensed	
Certification	CE	
Outputs DMX-RDM	512 DMX-RDM channels standalone	1024 DMX-RDM channels standalone
Outputs	8 x Digital Out (Clamps 24V DC / 1A max., optically isolated)	
Inputs	8 x Digital In (Clamps 24V DC., optically isolated)	
Others connections	Ethernet RJ45 10/100Mbit	
Memory	MicroSD-Card for Show-Files	
Operation	2 x 16 Segment LCD Display with 6 keys	
Audio	–	Yes
Standaloneshows	WDS - Streamfile	WDS-Streamfile & Audio file
Interface	2 x 512 DMX-RDM channels for WECS II 2048 (O – Net)	
Scheduler	Full Day- / Week- / Yearplaner	
Special	Windcontrolled (dimming) by external signal from Oase anemometer Mat.53913	
Action Manager	Event Actions: Digital Inputs can be linked with actions (waterlevel, windspeed)	
Software	WEPS (WECS II 512/1024) for Windows 7 or better	
In the scope of delivery		
Hardware + MicroSD-Card + Software WEPS (WECS II 512/1024)		
System Documentation		
Order no.	56491	56492