



IDEAL FOUNTAINS TM

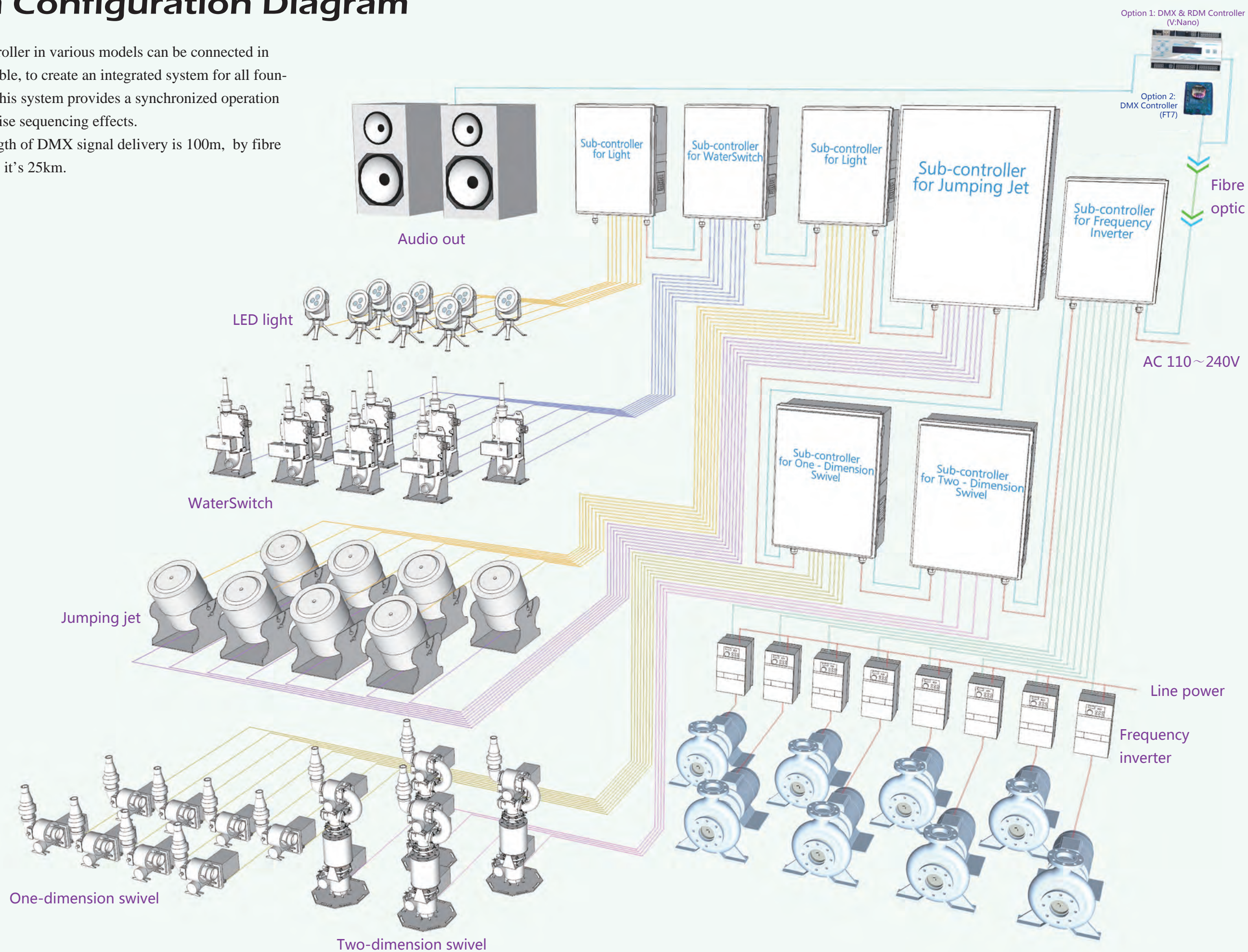
Shaping Of Water TM

1-833-433-2569

System Configuration Diagram

Multiple Sub-controller in various models can be connected in series via DMX cable, to create an integrated system for all fountain equipments. This system provides a synchronized operation which creates precise sequencing effects.

The maximum length of DMX signal delivery is 100m, by fibre optic transmission, it's 25km.





SC Series DMX Sub-controller

SC series DMX sub-controller is a comprehensive solution to the integration of fountain equipment's & DMX control system. It creates the perfect interface between light, jumping jet, shooter jet, frequency inverter for pump and the DMX controller.

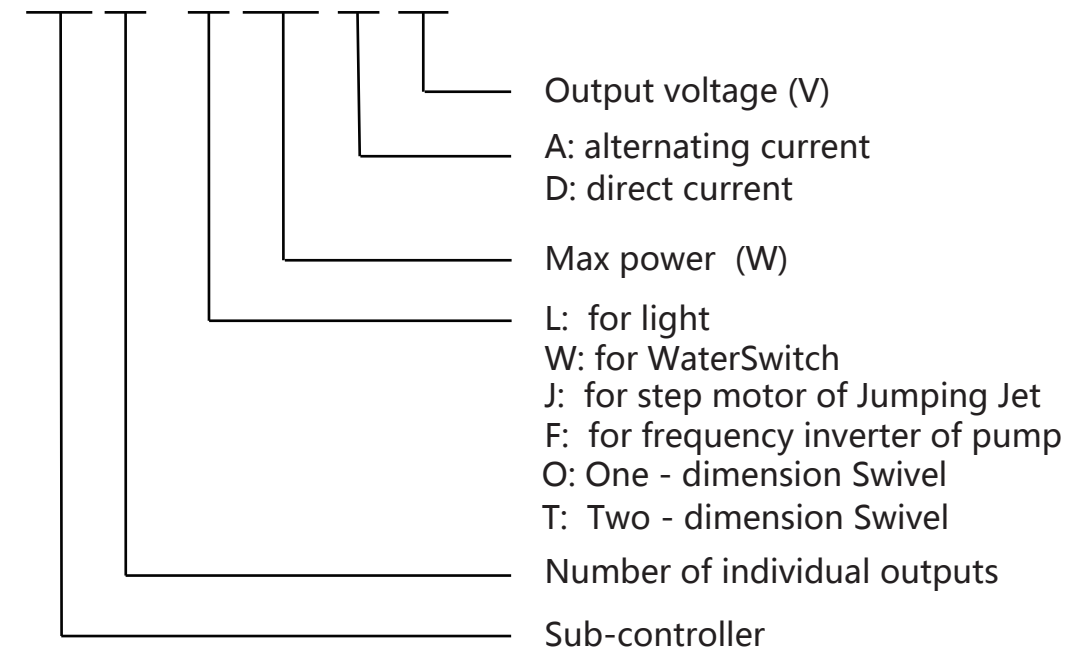
All sequencing lighting and water effects can be synchronized in precise timing by DMX programming.

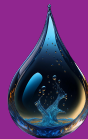


- ◆ Receive DMX 512 (1990) signal.
- ◆ Variety of models available for different applications.
- ◆ Can be connected in series via DMX cable.
- ◆ 4-points wall mounting.
- ◆ Built-in cooling fan.
- ◆ SP21/3P cable joint for power supply.
- ◆ XS12/3P cable joint for DMX signal connection.
- ◆ Multiple lock joint for output cable.

KEYWORD

SC 8 - L 320 D 24

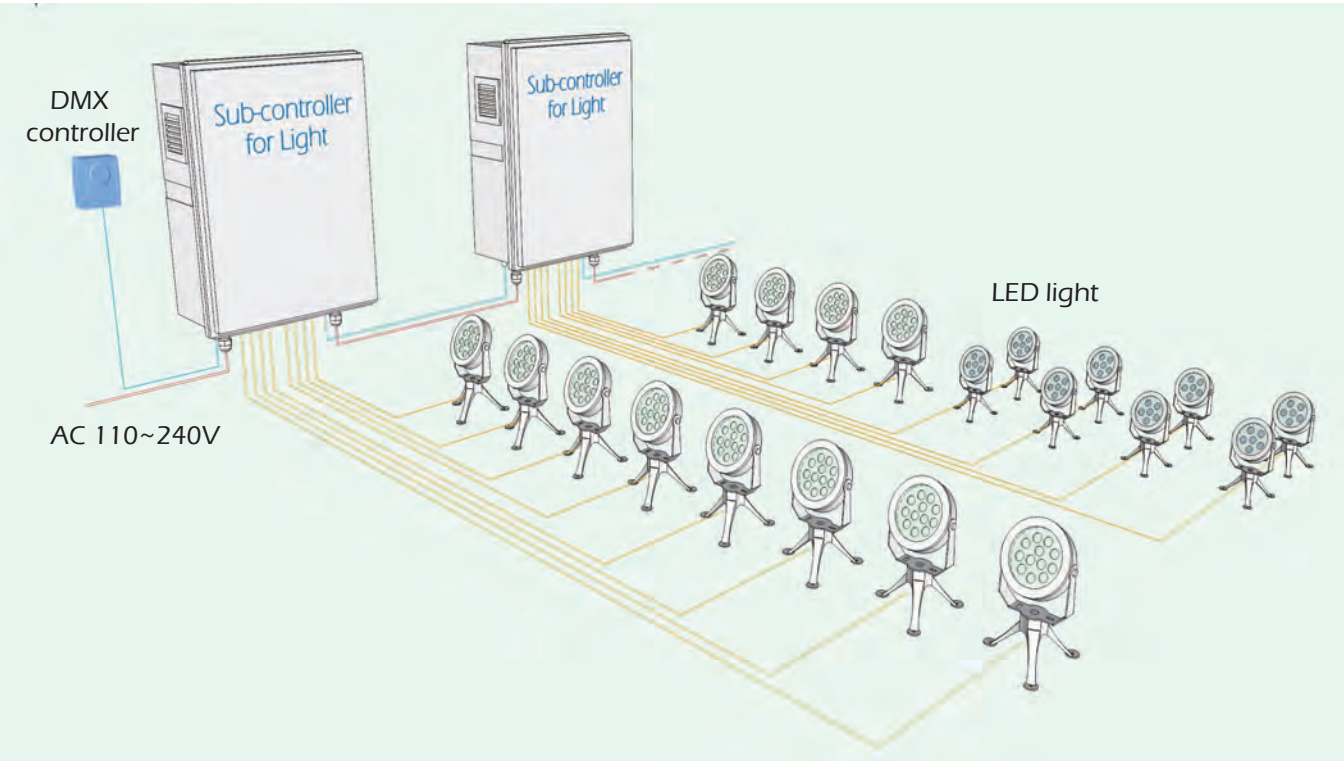




SC Series DMX Sub-controller

DMX Sub-controller for LED Light

There are 8 output connections per Sub-controller - the LED lights can be controlled individually or in clusters. The number of lights per loop is limited to the power output.



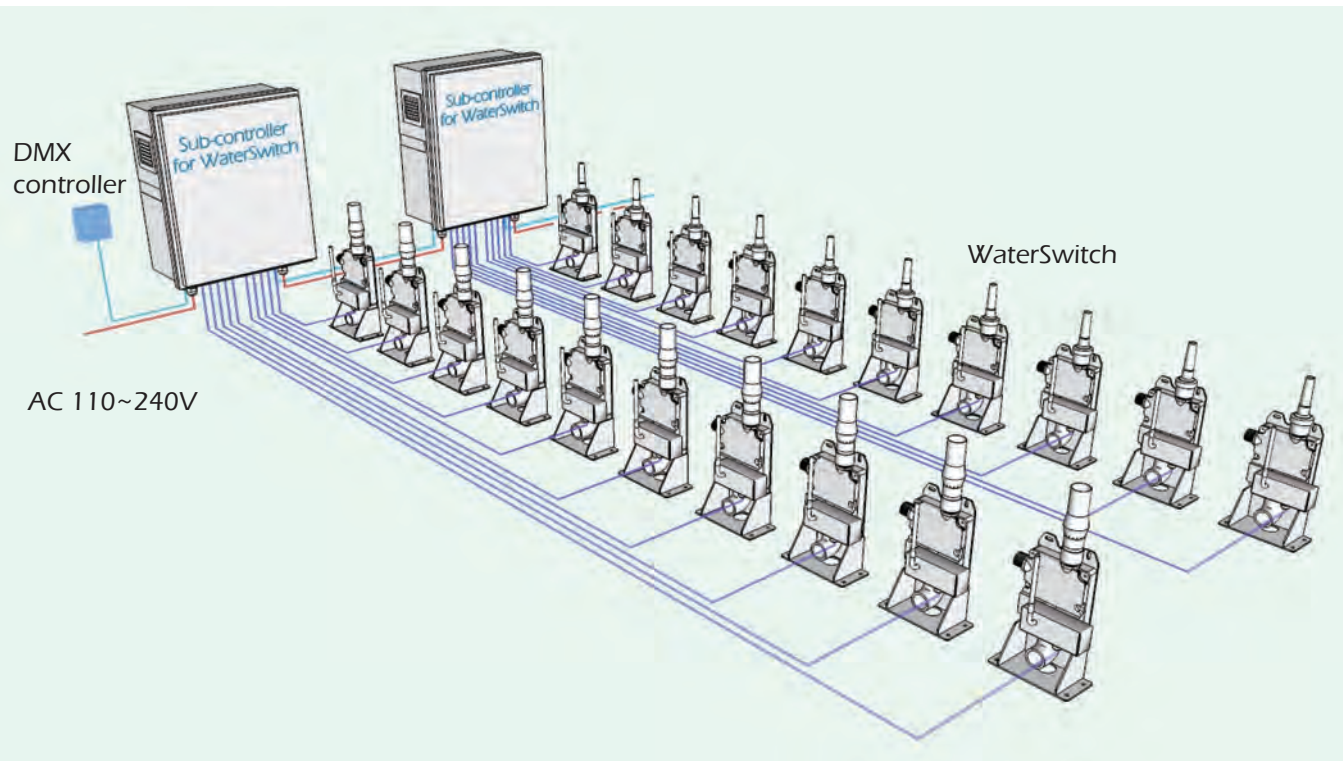
SPECIFICATION

Model	SC8-L320D24		
I/O Signal	DMX 512		
Input Voltage	110~240V AC		
Loops of Output	8 loops		
Power Output per Loop	36 W	72 W	36 W
Output Current per Loop	1.5 A	3 A	3 A
Output Voltage	24VDC	24VDC	12VDC
Temperature	-10~+60 °C		
Humidity	20~90 %RH		
Cooling	Built-in cooling fan		
Dimensions (L x W x H) (mm)	500 x 400 x 200		
Weight	8 kg		
Material	ABS		
Color	Creamy white		

SC Series DMX Sub-controller

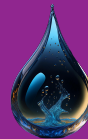
DMX Sub-controller for WaterSwitch

There are 10 output connections per sub-controller – each WaterSwitch can be individually controlled.



SPECIFICATION

Model	SC10-W150D24
I/O Signal	DMX 512
Input Voltage	110~240V AC
Loops of Output	10 loops
Power Output per Loop	10 W
Output Current per Loop	0.4 A
Output Voltage	24V DC
Temperature	-10~+60 °C
Humidity	20~90 %RH
Cooling	Built-in cooling fan
Dimensions (L x W x H) (mm)	500 x 400 x 200
Weight	8 kg
Material	ABS
Color	Creamy white

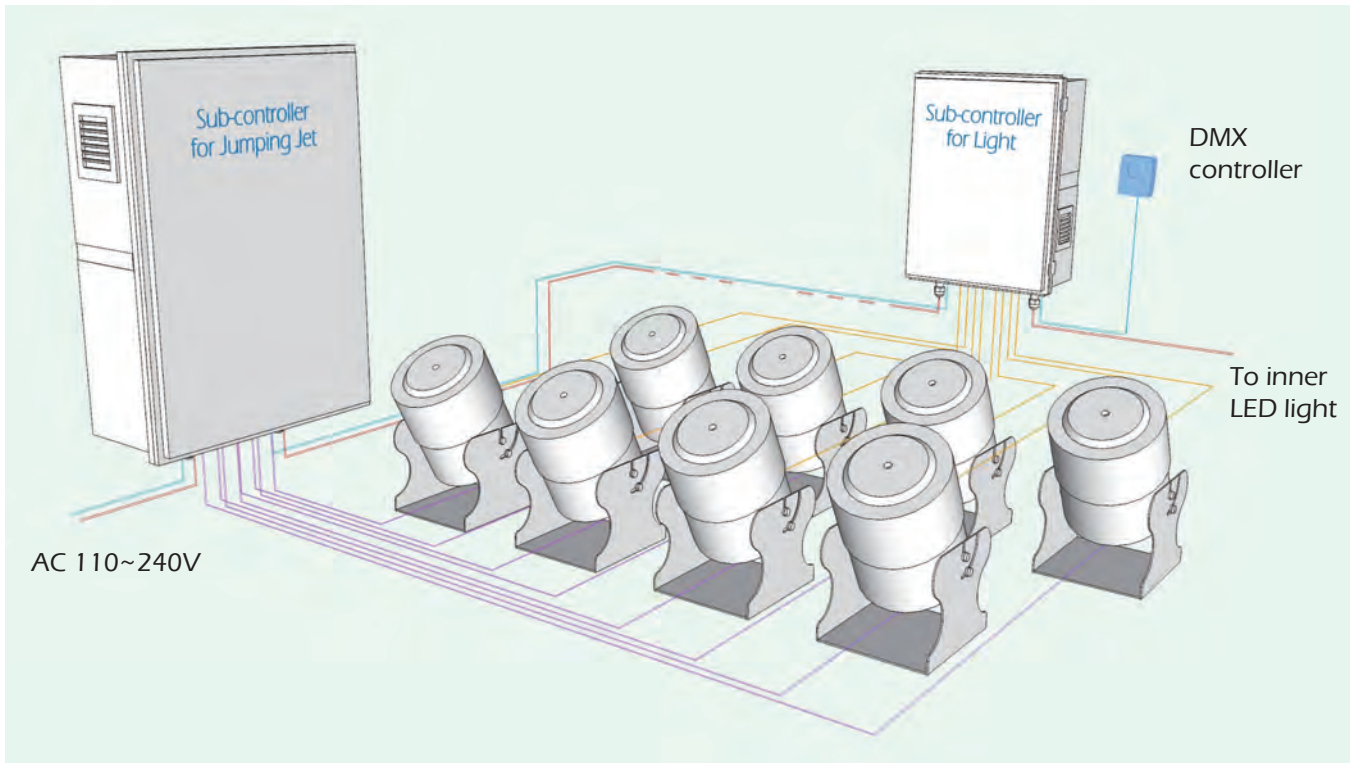




SC Series DMX Sub-controller

DMX Sub-controller for Jumping Jet.

There are 8 output connections per sub-controller for jumping jets – each Jumping Jet can be individually controlled. A sub-controller for lighting is required separately when built-in LED are used.



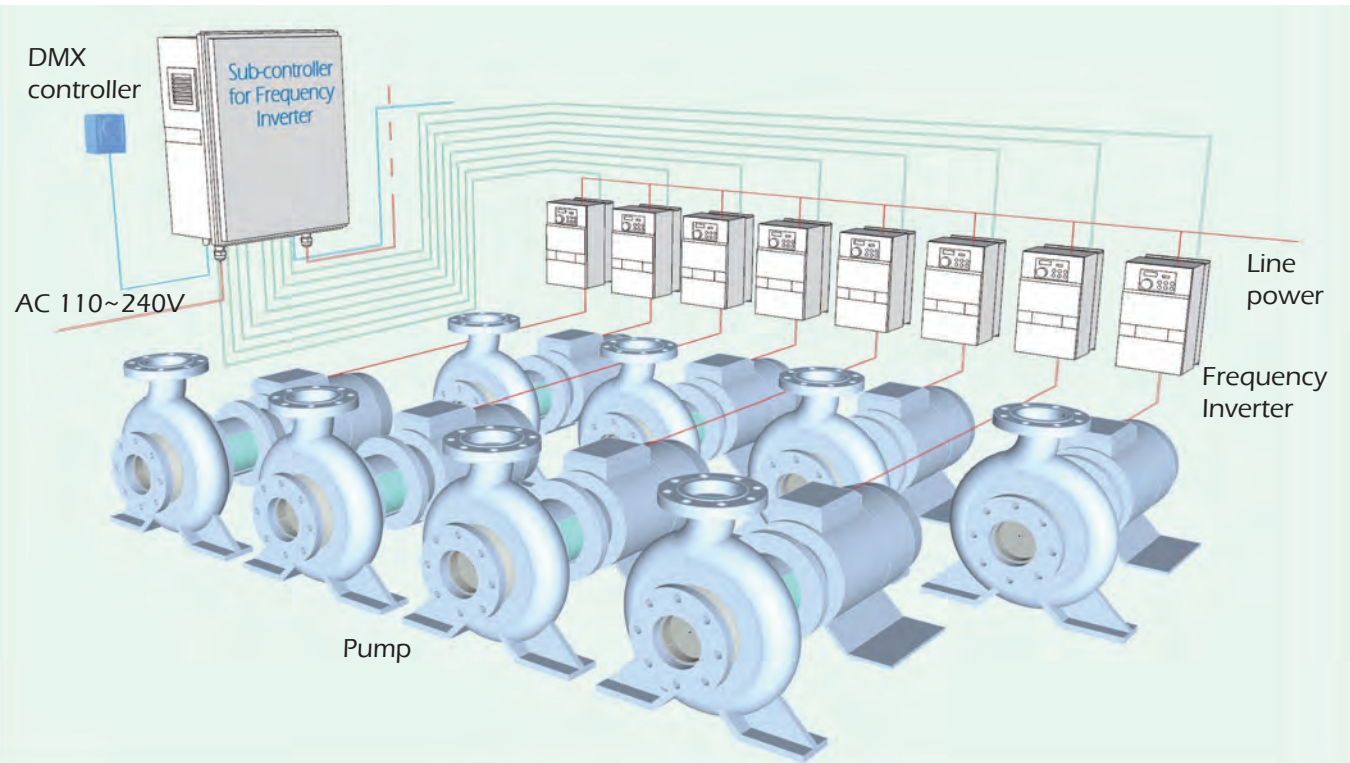
SPECIFICATION

Model	SC8-J960D24	SC4-J640D24
I/O Signal	DMX 512	
Input Voltage	110~240V AC	
Loops of Output	8 loops	4 loops
Power Output per Loop	72 W	
Output Current per Loop	3 A	
Output Voltage	24V DC	
Temperature	-10~+60 °C	
Humidity	20~90 %RH	
Cooling	Built-in cooling fan	
Dimensions (L x W x H) (mm)	830 x 630 x 300	
Weight	35 kg	11.6 kg
Material	ABS	
Color	Creamy white	

SC Series DMX Sub-controller

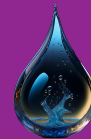
DMX Sub-controller for Frequency Inverter.

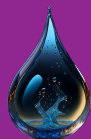
There are 8 output connections per sub-controller for 8 inverters – each inverter can be individually controlled – the speed of pump changes in response to DMX signal via inverter (0~60Hz stepless).



SPECIFICATION

Model	SC8-F35	SC-F204
I/O Signal	DMX 512	
Input Voltage	110~240V AC	
Loops of Output	8 loops	4 loops
Power Output per Loop	4 W	
Output Current per Loop	20 mA	
Output Voltage	10V DC	
Temperature	-10~+55 °C	
Humidity	20~90 %RH	
Cooling	Natural air	
Dimensions (L x W x H) (mm)	500 x 400 x 160	
Weight	6.5 kg	6.2 kg
Material	ABS	
Color	Creamy white	

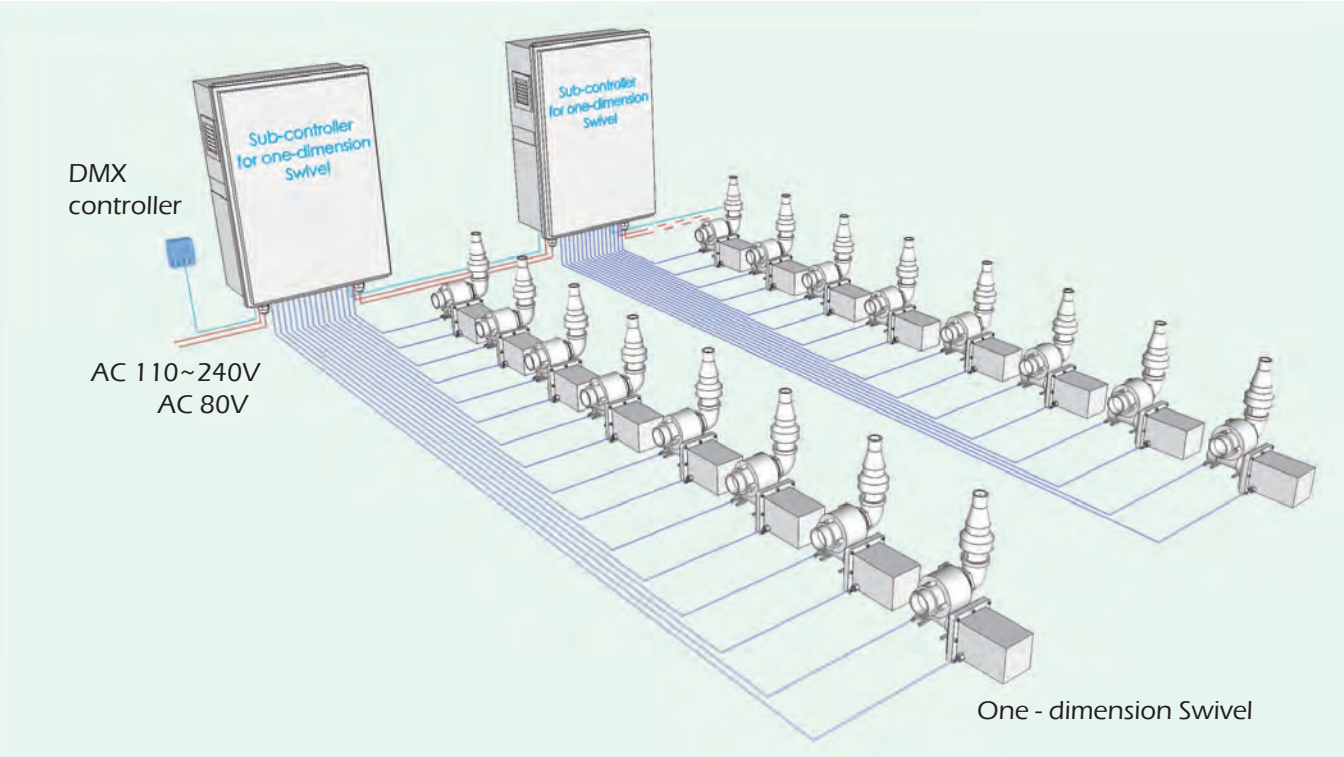




SC Series DMX Sub-controller

DMX Sub-controller for One-dimension Swivel

There are 8 output connections per sub-controller for one - dimension swivel – each one-dimension swivel can be individually controlled.



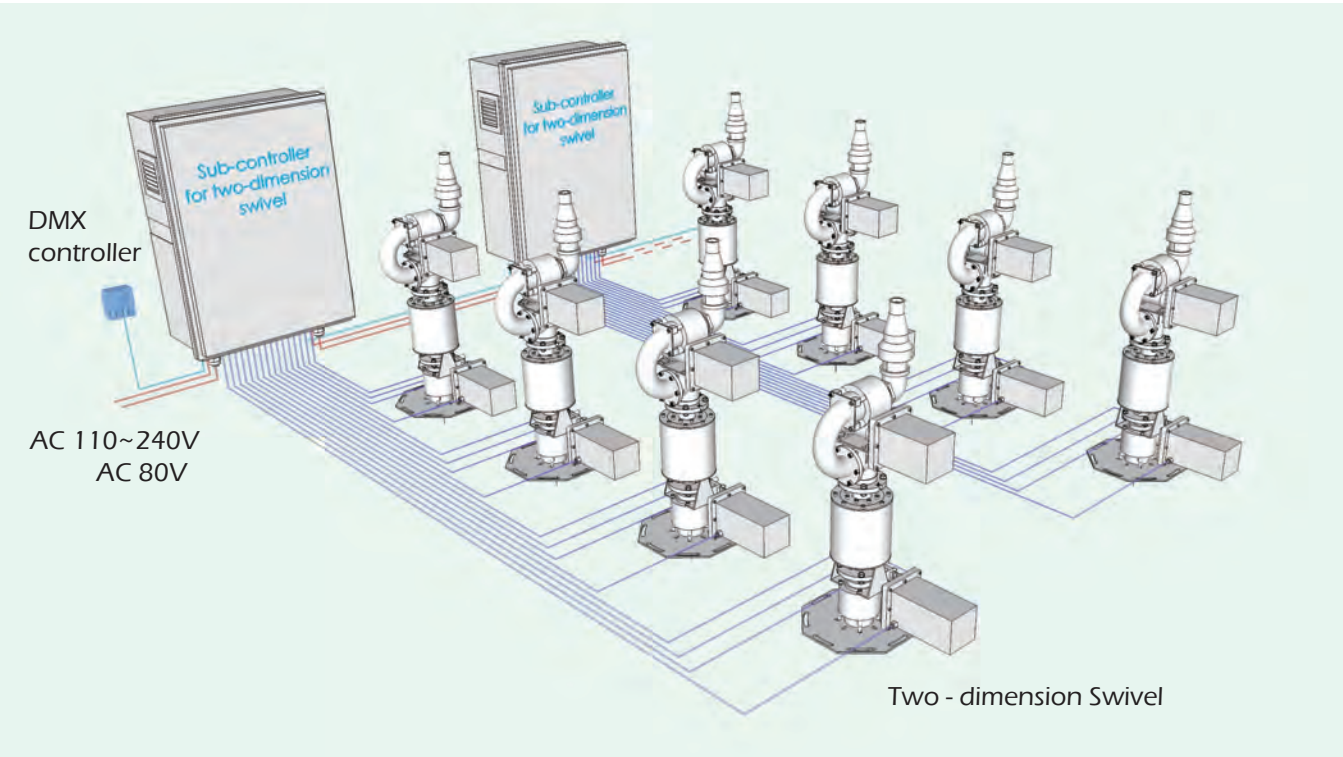
SPECIFICATION

Model	SC8-O300A80
I/O Signal	DMX 512
Input Voltage (Control)	110-240V AC
Input Voltage (Stepper motor)	80V AC
Loops of Output	8
Power Output per Loop	300W
Output Current per Loop	4A
Output Voltage (Sensor)	24V DC
Output Voltage (Stepper motor)	80V AC
Temperature	-10~+50 °C
Humidity	20~90 %RH
Cooling	Built-in cooling fan
Dimensions (L x W x H) (mm)	830 x 630 x 300
Weight	35 kg
Material	ABS
Color	Creamy white

SC Series DMX Sub-controller

DMX Sub-controller for Two-dimension Swivel

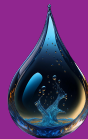
There are 4 output connections per sub-controller for two-dimension swivel – each two-dimension swivel can be individually controlled.



SPECIFICATION

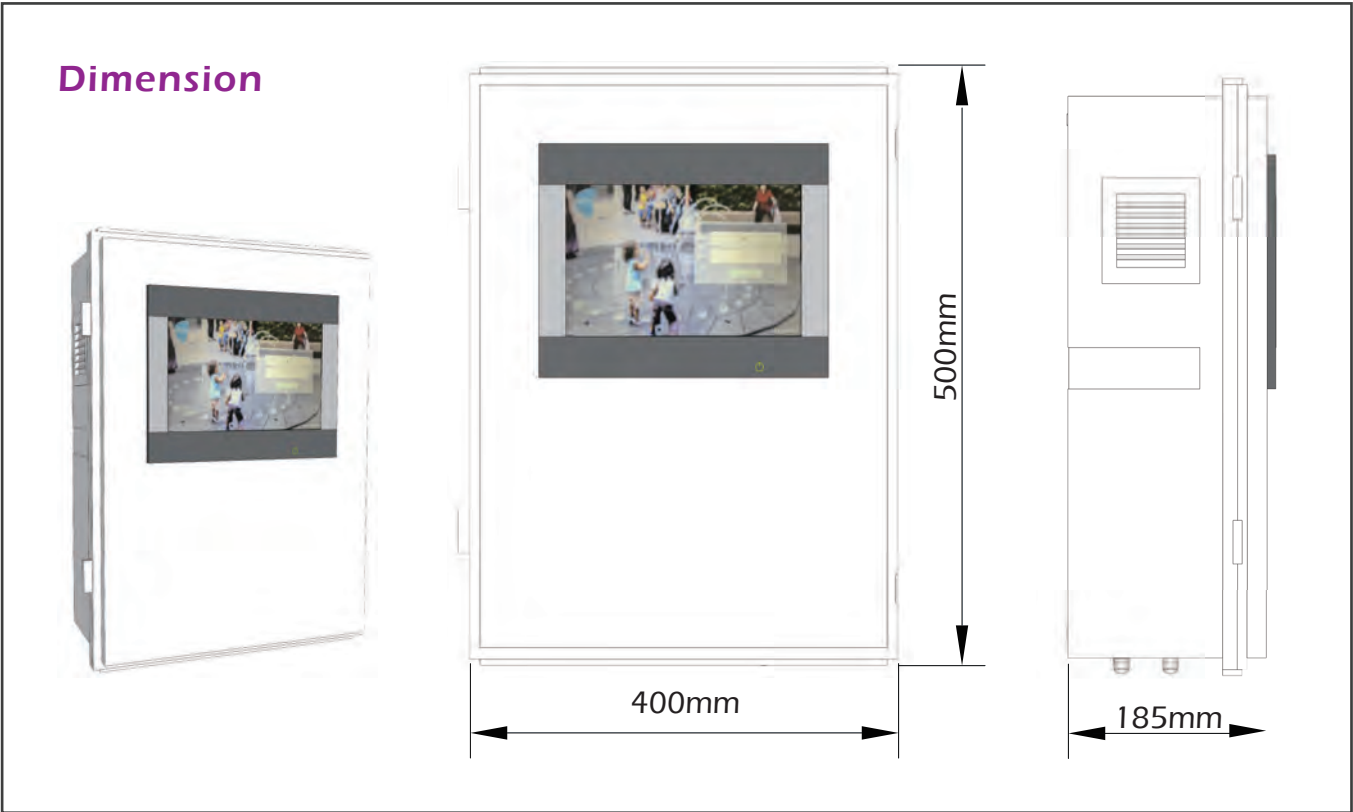
Model	SC4-T700A80
I/O Signal	DMX 512
Input Voltage (Control)	110-240V AC
Input Voltage (Stepper motor)	80V AC
Loops of Output	4
Power Output per Loop	700W
Output Current per Loop	9 A
Output Voltage (Sensor)	24V DC
Output Voltage (Stepper motor)	80V AC
Temperature	-10~+50 °C
Humidity	20~90 %RH
Cooling	Built-in cooling fan
Dimensions (L x W x H) (mm)	830 x 630 x 300
Weight	35 kg
Material	ABS
Color	Creamy white





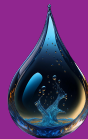
Intergrated control system

ICS1024/ICS1024M-2/ICS512-2



INTEGRATED CONTROL SYSTEM	ICS1024	ICS1024M-2	ICS512-2
Dimensions (L x W x H) (mm)	400x185x500	400x185x500	400x185x500
Weight	10.2 kg	10.2 kg	10.2 kg
Housing	ABS	ABS	ABS
Protection class	IP20	IP20	IP20
Backup Battery	3V lithium battery CR2032 x 1	—	—
Backup Battery Life	It depends on the temperature used and the conditions of usage, about 3 years or more at 25°C	—	—
Storage Temperature	0-50°C	0-50°C	0-50°C
Operation temperature	0-40°C/0-80°C humidity non-condensed	0-40°C/0-80°C humidity non-condensed	0-40°C/0-80°C humidity non-condensed
Power supply	220V AC	220V AC	220V AC
Outputs	16 x Digital out	8 x Digital out	8 x Digital out
Inputs	16 x Digital in	12 x Digital in	12 x Digital in
Memory	Micro SD-Card for Show-Files	Micro SD-Card for Show-Files	Micro SD-Card for Show-Files
Operation	HMI	HMI	HMI
Audio	—	Yes	—
Standalone shows	ARC-Stream file& Audio file	WDS file	WDS file
Interface	2x512DMX channels for ICS1024M/ICS1024	2x512DMX channels for ICS1024M-2 1x512DMX channels for ICS512-2	2x512DMX channels for ICS1024M-2 1x512DMX channels for ICS512-2
Scheduler	General 10 nos. / Special 1 no.	General 10 nos. / Special 1 no.	General 10 nos. / Special 1 no.
Action Manager & monitor	Event Actions: Digital Inputs can be linked with actions (water level) and monitor	Event Actions: Digital Inputs can be linked with actions (water level) and monitor	Event Actions: Digital Inputs can be linked with actions (water level) and monitor
Software	Windows 10 or better	Windows 10 or better	Windows 10 or better





DMX & RDM Controller

V:Nano 512/V:Nano 1024 music



Ideal rolls out its new DIN-rail fanless ruggedized embedded systems with extra low power CPU chipset, the V:Nano 512 / V:Nano 1024 music. Made for the rugged environment, this compact unit supports wide temperature range and features DMX 512/1990 ports, isolated Ethernet port 10/100 Mbit, Micro SD card slot, 2x 16 LCD segment display.

Its 8 x digital and 8 x analog I/O makes this unit the perfect tool for all stand alone fountain multimedia show Installations.The DIN-rail hardware family is compatible to all Depence architect or ultimate versions.

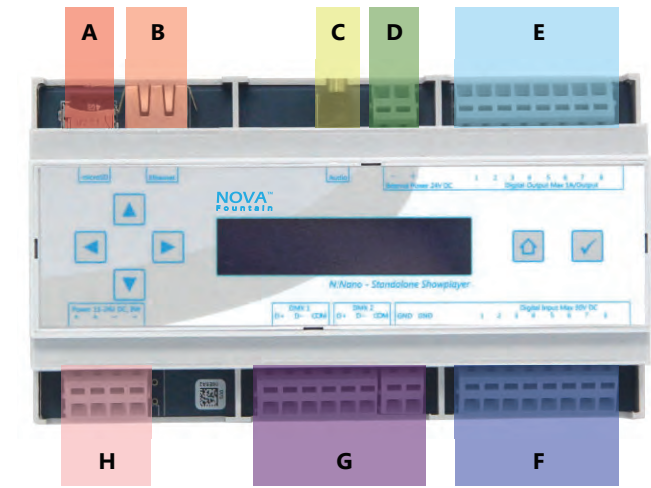
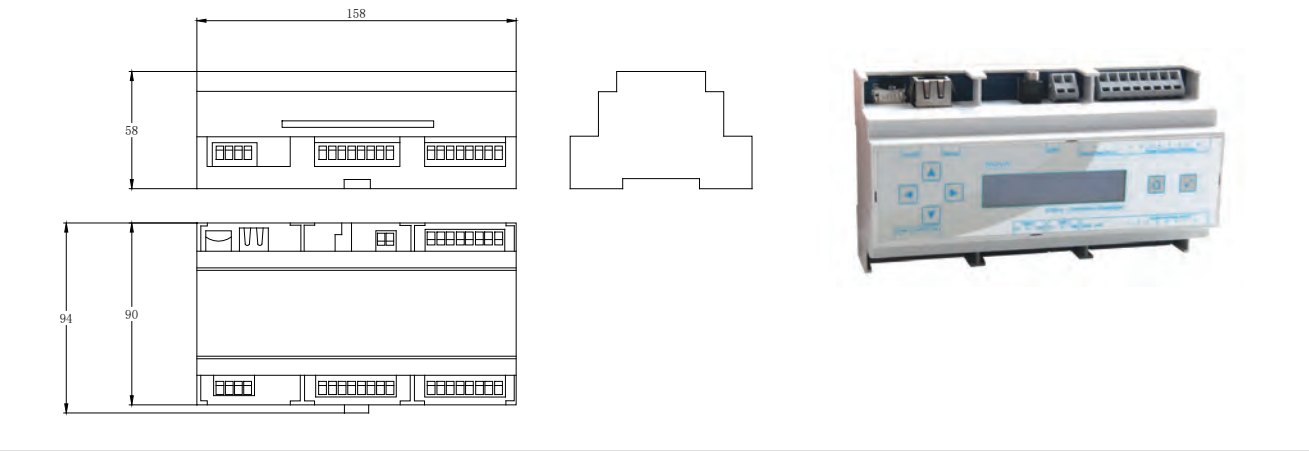
Show Upload can be done via SD Card or local network.Windows Remote Live Panel Software and Service tools will be shipped with this package as well.

- ◆ Standalone Multimedia Showplayer
- ◆ 512/1024 DMX output channels
- ◆ Audio Output(V:Nano 1024 only)
- ◆ Time Schedule with internal clock
- ◆ Show upload via MicroSD-Card or Ethernet
- ◆ 8x Digital Input and 8x Digital Output
- ◆ DIN-Rail mounting
- ◆ Live-Panel functionality via Remote Software
- ◆ Easy to use front panel setup
- ◆ ArtNET Node functionality

Made in Germany

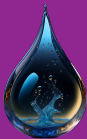
DIMENSIONS

Unit: mm



- A:MicroSD Card Slot-Any number of shows or sequences for a project can be saved in the micro SD card(4GB included)
- B:Ethernet 10/100 Mbit-update shows
- C:Audio output 3.5mm Jack Plug(V:Nano 1024 music only)
- D:External Power 24V DC
- E:8x digital output max 1A/Output
- F: Digital Input max.24V DC
- G:DMX512/1990 (“V:Nano 512”512 chanel/“V:Nano 1024 music”1024 channel)
- H:Power input 15-24V DC,8W

DMX & RDM Controller	V:Nano 512	V:Nano 1024 music
Dimensions (L x W x H)	160 x 90 x 58 mm	
Weight	0.33 kg	
Housing	Polycarbonate Light grey/white/blue for top-hat rail mounting	
Protection class	IP20	
Power supply	15..24V DC/ 8W	
Operation temperature	0..40°C / 0..80% humidity non-condensed	
Certification	CE	
Outputs	DMX 512/1990 512 channel 8 x Digital Out (Clamps 24V DC/ 1A max., optically isolated)	DMX 512/1990 1024 channel 8 x Digital Out (Clamps 24V DC/ 1A max., optically isolated) 1 x Stereo Audio (3,5 mm jack plug, galvanic isolated)
Inputs	8 x Digital In (Clamps 24V DC., optically isolated)	
Others connections	Ethernet RJ45 10/100Mbit	
Memory	MicroSD-Card	
Operation	2 x 16 Segment LCD Display with 6 keys	





Y-Strainer

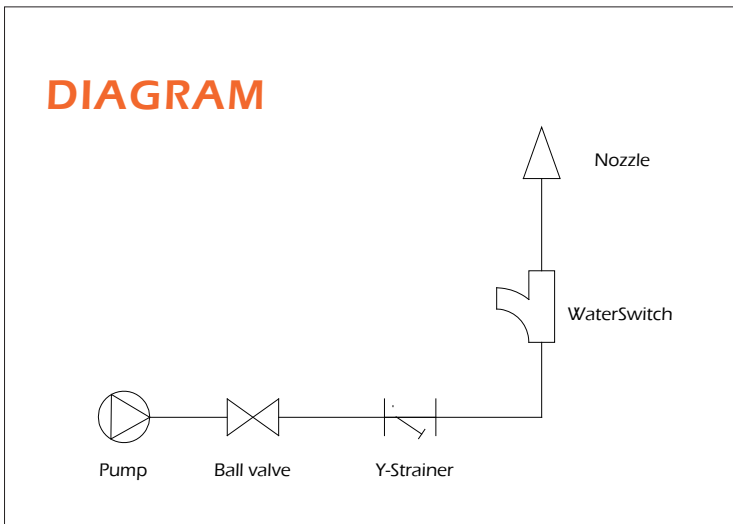
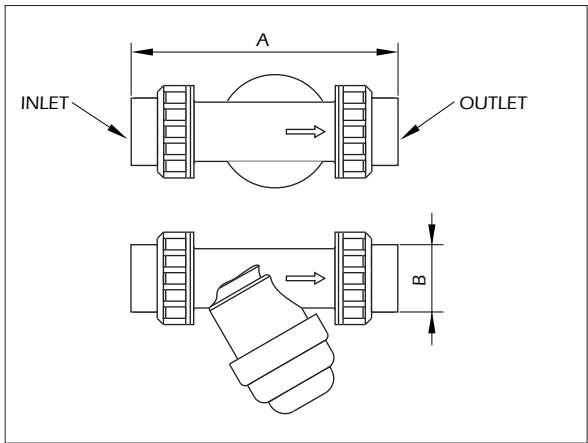
The Y-strainer is designed to be used with nozzle to protect nozzles from clogging:

CHARACTERISTICS

- ◆ Available in various sizes and flows.
- ◆ Can be combined with other Y-strainer products to increase filtration.
- ◆ Made of plastic.

DIMENSIONS

Type	Inlet	Outlet	A dim (mm)	B dim (mm)	Mesh Opening Size(mm)
Y25	De32	De32	186	150	1
Y32	De40	De40	223	147	1
Y40	De50	De50	234	163	1



Swivel Connector

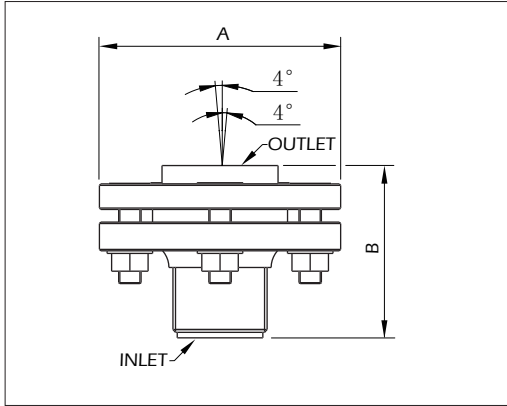
Connects to the bottom of nozzles to help directional alignment after installation:

CHARACTERISTICS

- ◆ Adjusts up to 4° from center line.
- ◆ Made of stainless steel fitted

DIMENSIONS

Type	Inlet	Outlet	A dim (mm)	B dim (mm)
SJ25	G1"	G1"	84	60
SJ40	G1 1/2"	G1 1/2"	102	81
SJ50	G2"	G2"	117	77



Quick Connector

Two parts respectively connect to the pipe and the bottom of nozzle to help install and dismantle

CHARACTERISTICS

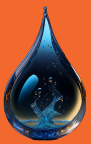
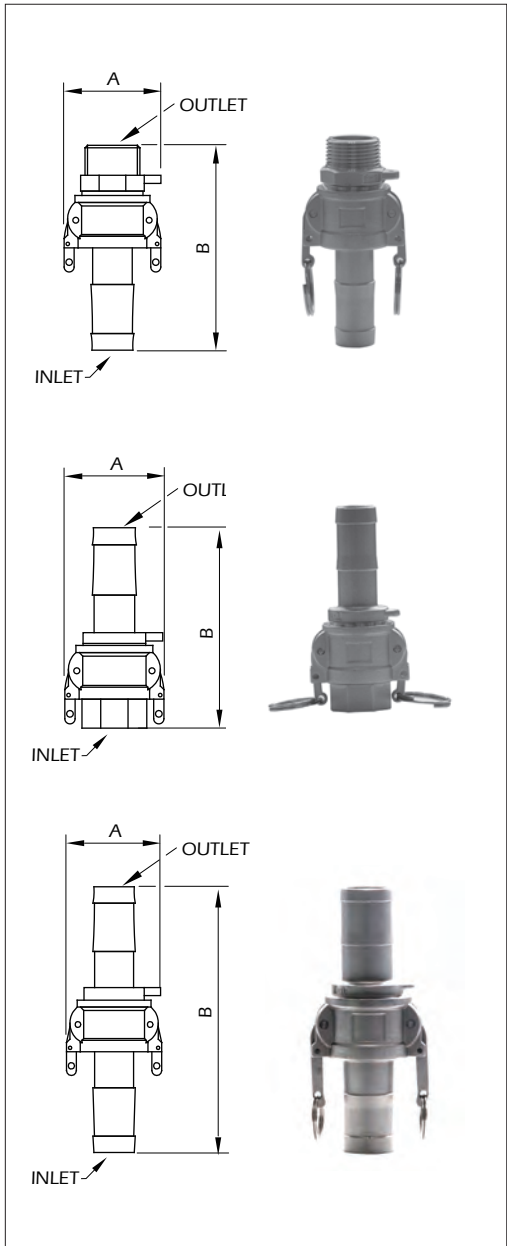
- ◆ Made of stainless steel fitted
- ◆ Three kinds of outlets

DIMENSIONS

Type	Inlet (Pagoda Joint)	Outlet (Inside Thread)	A dim (mm)	B dim (mm)
QCI25	Φ25	G1"	58	118
QCI40	Φ39.4	G1 1/2"	85	134
QCI50	Φ51.2	G2"	95	147

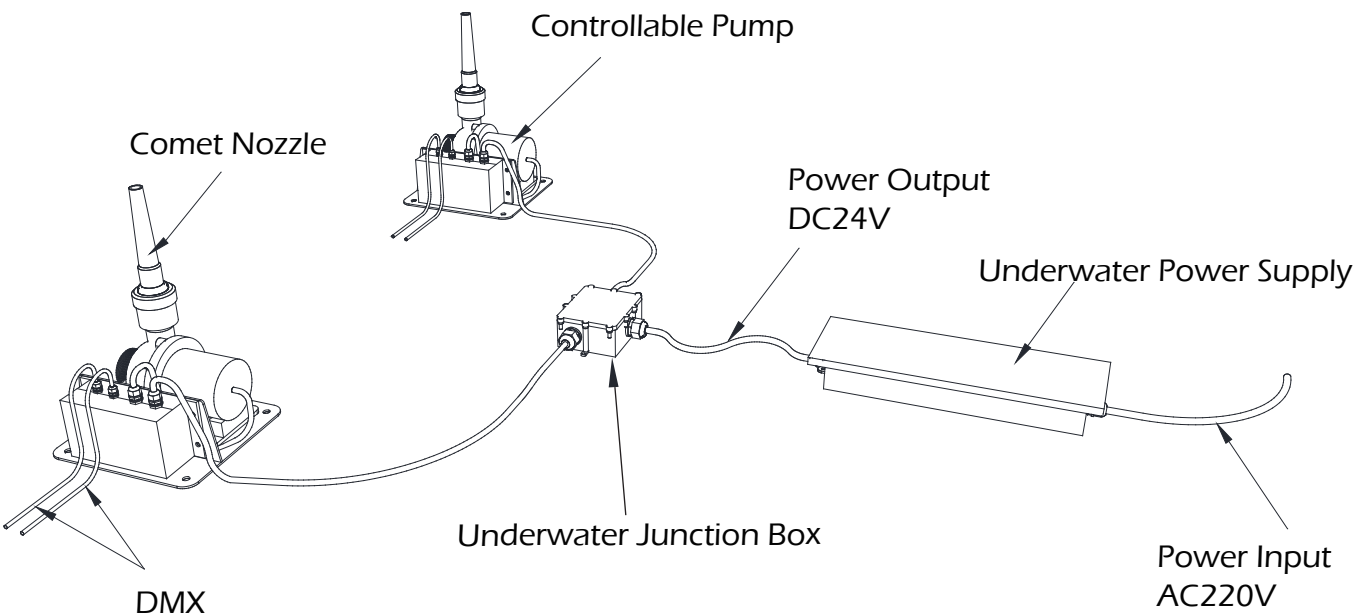
Type	Inlet (Outside Thread)	Outlet (Pagoda Joint)	A dim (mm)	B dim (mm)
QCO25	G1"	Φ25	58	123
QCO40	G1 1/2"	Φ39.4	85	140
QCO50	G2"	Φ51.2	95	160

Type	Inlet (Pagoda Joint)	Outlet (Pagoda Joint)	A dim (mm)	B dim (mm)
QCP25	Φ25	Φ25	58	162
QCP40	Φ39.4	Φ39.4	85	180
QCP50	Φ51.2	Φ51.2	95	195





Underwater Power Supply



HXPS-200-12 / HXPS-200-24

The underwater power supply HXPS-200 is fully potted power supply.It is a 200W industrial AC/DC power supply featuring the outstanding capability to operate under a harsh environment with high dust density,humidity,vibration and altitude.
The entire series is housed with a stainless steel 304 case and fully potted with epoxy resin.It guarantees a safe and long-lasting functioning under water.
Even low voltage devices can now be operated with the underwater power supply which leads to enormous reduction of time and material cost at the installation sites.

DIMENSIONS

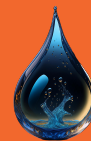
Unit: mm

HXPS-200-12 / HXPS-200-24

CHARACTERISTICS

- ◆ Constant Voltage & Constant current mode output.
- ◆ No load / Standby power consumption<0.5W
- ◆ IP68 design. Rating for underwater intallation.
- ◆ Typical lifetime > 40000 hours.
- ◆ Cable type(Input):1.5m STW 18AWG/3C
- ◆ Cable type(Output):1.5m STW 18AWG/2C

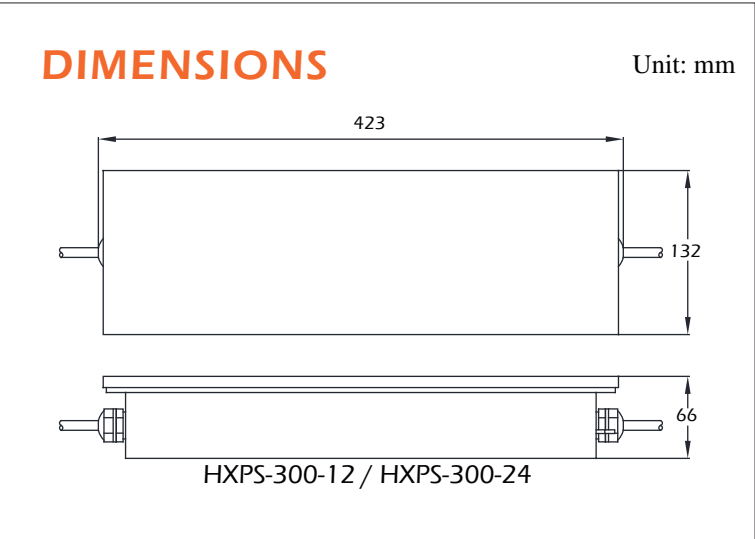
Type	HXPS-200-12	HXPS-200-24
Dimensions (L×W×H) [mm]	423×132×66	423×132×66
Nominal input voltage[V/AC]	100-305	100-305
Nominal input frequency[Hz]	47~63	47~63
Output voltage[V]	12	24
Output current[A]	16	8.4
Efficiency[%]	90	92
Protection class	IP68	IP68
Weight[kg]	5	5





HXPS-300-12 / HXPS-300-24

The underwater power supply HXPS-300 is fully potted power supply. It is a 300W industrial AC/DC power supply featuring the outstanding capability to operate under a harsh environment with high dust density,humidity,vibration and altitude. The entire series is housed with a stainless steel 304 case and fully potted with epoxy resin.It guarantees a safe and long-lasting functioning under water. Even low voltage devices can now be operated with the underwater power supply which leads to enormous reduction of time and material cost at the installation sites.



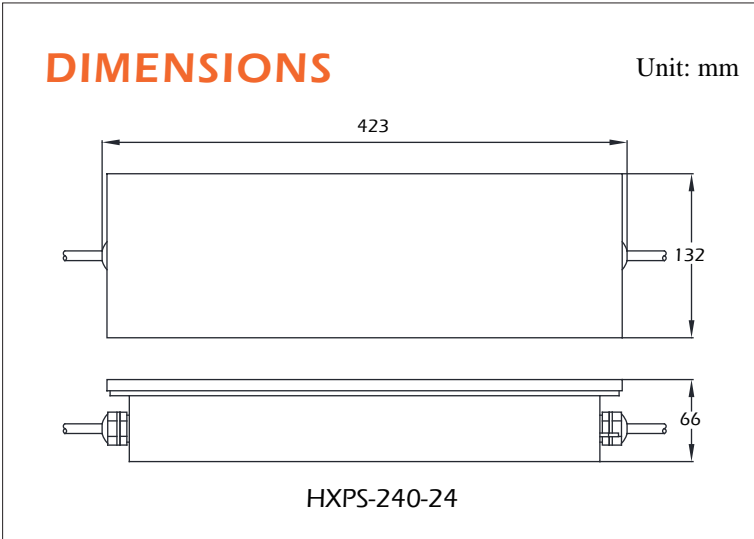
CHARACTERISTICS

- ◆ Constant Voltage & Constant current mode output.
- ◆ Protection Functions: OCP, SCP, OVP, OTP.
- ◆ IP68 design. Rating for underwater intallation.
- ◆ Typical lifetime > 40000 hours.
- ◆ Cable type(Input):1.5m STW 18AWG/3C
- ◆ Cable type(Output):1.5m STW 18AWG/2C

Type		HXPS-300-12	HXPS-300-24
Dimensions (L×W×H) [mm]		423×132×66	423×132×66
Nominal input voltage[V/AC]		100-305	100-305
Nominal input frequency[Hz]		47~63	47~63
Output voltage[V]		12	24
Output current[A]	200VAC~305VAC	22	12.5
	100VAC~180VAC	18.7	10.63
Efficiency[%]		91	94
Protection class		IP68	IP68
Immersion depth max		1 m	1 m
Weight[kg]		5	5

HXPS-240-24

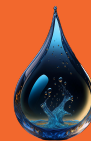
The underwater power supply HXPS-240 is fully potted power supply. It is a 240W industrial AC/DC power supply featuring the outstanding capability to operate under a harsh environment with high dust density,humidity,vibration and altitude. The entire series is housed with a stainless steel 304 case and fully potted with epoxy resin. It guarantees a safe and long-lasting functioning under water. Even low voltage devices can now be operated with the underwater power supply which leads to enormous reduction of time and material cost at the installation sites.



CHARACTERISTICS

- ◆ Constant Voltage & Constant current mode output.
- ◆ No load / Standby power consumption<0.5W
- ◆ IP68 design. Rating for underwater intallation.
- ◆ Typical lifetime > 40000 hours.
- ◆ Cable type(Input):1.5m STW 18AWG/3C
- ◆ Cable type(Output):1.5m STW 18AWG/2C

Type		HXPS-240-24
Dimensions (L×W×H) [mm]		423×132×66
Nominal input voltage [V/AC]		100-305
Nominal input frequency [Hz]		47~63
Output voltage [V]		24
Output current [A]		10
Efficiency [%]		92
Protection class		IP68
Weight [kg]		5



CROWNE PLAZA

