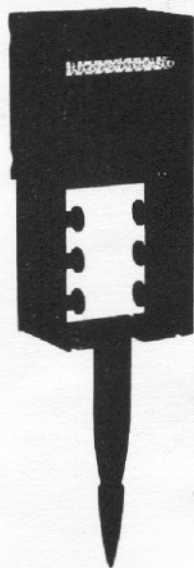


Oase
LIVING WATER

D Gebrauchsanweisung
GB Operating instructions

InScenio FM-Master GB



0608-1825

29431/08B

Please read these operating instructions and familiarize yourself with the device before placing it in service. You must observe the safety instructions for correct and safe use.

For safety reasons, children and young people under 16 years of age, as well as people that cannot recognize possible hazards, or who are not familiar with these operating instructions may not use this device.

Please keep these operating instructions in a safe place! If this device changes hands, then please include these operating instructions along with the product.



Unpacking

Notify your dealer immediately if there are external damages.

Included with the delivery

- | | |
|---------------------------|------------------------------|
| (1) Garden outlet | (5) Battery, type 23A |
| (2) Cover | (6) Teaching pin |
| (3) Ground spike | (7) Operating instructions |
| (4) Hand-held transmitter | (8) Strain-relieved covering |
| | (9) 2 screws 3.5 x 16 |



Technical data

Power Consumption:	Dimmable connection: For OASE pumps with asynchronous alternating current motors from 40W to 300W. Maximum power consumption: 1.25A. Switched connection: All standard alternating current devices up to 2kW. Maximum power consumption 16A
Moisture proof:	Splash-proof (IP X4)
Environmental temperature:	from -5°C to +45°C
Hand-held transmitter range:	approx. 80m
Transmitting frequency:	433,92 MHz
Battery:	2V alkali-manganese battery type 23A Typical operating time > 1 year



Area of implementation

All standard splash-protected alternating current devices for continuous operation can be connected to the permanent connector of the FM garden outlet.

In addition, those devices connected to the switched outlets of the FM-Master can also be turned on and off via radio remote control.

Likewise, the fountain heights or flow rates of your Nautilus or Aquamax series pumps can also be controlled via the radio remote control unit.



Safety instructions

A qualified electrician must install the garden socket and connect the devices. Observe the safety instructions of the devices that are to be connected. Connecting points must be dry.

The supply cable must be suitable for the entire connected load and for external use. Connect the supply cable only to a permanently installed, wet-duty, earth contact power outlet.

Insure that the covering hood always covers the garden outlet. Operate the dimmable connection only with the specified OASE pumps. Do not operate the device if it appears to be defective.



ELECTRICAL INSTALLATION

IMPOTANT:

Consult a qualified electrician if you have any doubts about wiring this product to the mains supply.

Always disconnect the mains supply while this product is being installed, repaired, maintained or handled in any way.

A minimum cable diameter of 1.5mm² must be used for the mains supply to the FM master.

Only operate this product with the voltage stated on the type plate.

A standard 3 pin plug and socket must not be used outside. This product is intended to be used with either a weatherproof cable connector or permanently connected to the fixed wiring of the mains system other than by means of a plug and socket.

A 3 amp fuse must be fitted in the supply circuit.

A Residual Current Device (RCD), also known as a Residual Current Circuit Braker (RCCB) having a tripping current not exceeding 30MA must be installed in the supply circuit.

For your own protection and to conform to the regulations of the local electricity authority the cable must be run through and protected by armoured conduit. Also, there may be local building regulations concerning the installation of ponds and pumps.

The electrical cable is permanently connected and sealed in the pump stator unit.

If the supply cable is damaged, it cannot be replaced and this product will not be usable.

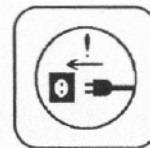
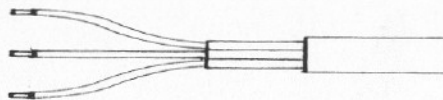
Do not lift or carry this product by the cable.

Wire this product into the weatherproof cable connector or junction box according to the following wire colour codes.

Brown – Live

Blue – Neutral

Green/Yellow – Earth



Commissioning

Commission the device only in compliance with the safety instructions!

Only operate the device with the voltages specified on the type plate!

Mounting: Push the ground spike into the receptacle provided on the housing. Insert the ground spike full-length into the ground. Alternatively the garden outlet can also be fastened with 6 mm screws through the screw slots provided in the floor of the housing. Insure for yourself that the garden outlet has been installed with adequate stability and in area that can not be flooded.

Connection: Now connect the main supply and the cables of the devices to be connected to the appropriate terminals. In this regard, insure that the lines are equipped with connector sleeves. **The Mains supply must be disconnected during the installation.**

Channel allocation can be derived from the following table. The main supply cable is connected at "Main".

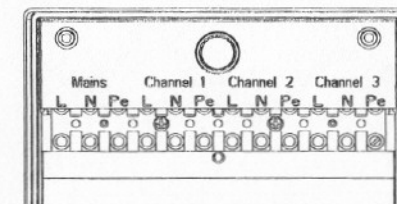
On the cover delivered with the product there is a strain-relief unit that must be broken off. It can be mounted on the housing with a screw.

Now the accompanying hand-held transmitter must be "taught". (See chapter "Programming the hand transmitter")

Afterwards the covering hood must likewise be mounted with a screw.

Functional overview

	FM1	FM2	FM3
Channel 1	switched	switched	switched
Channel 2	switched	switched	switched
Channel 3	permanent	switched	dimmed
Outlet	permanent	permanent	permanent

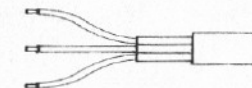


Cable colors:

L: brown

N: blue

PE: Green/yellow



WARNING – THIS APPLIANCE MUST BE EARTHED

ATTENTION: The mains supply must be disconnected. Please note that only the specified devices can be connected to the dimmable channel. However if an unsuitable device is accidentally connected to this channel the control electronics of the FM garden outlet are protected via a 1.25A lead fuse that trips in this case and must be replaced.

This fuse is located above the terminal strip and can be removed or replaced by unscrewing the cover plate. We recommend having this done by your stockist or by a qualified electrician.

Loop all cables for the connected devices around the grooved rungs in the lower area of the housing. This relieves the strain of the supply lines and prevents the risk of tripping on a cable.

Fit the protective cover over the housing by introducing the guide on the protective cover into the guide slot of the housing and pushing all the way down.

Check the hand-held transmitter for function by pressing a button. If it is functioning, the LED will be illuminated.

“Teaching” a hand-held transmitter

The reception electronics are equipped with a “learning key” to tune the reception electronics of the FM garden plug to the broadcast signal of the hand-held transmitter. You must remove the cover plate over the cable entry for this.

This learning key is located in the middle under the terminal strip behind the cover plate. This can be activated with the supplied pin, by introducing this pin in the opening of the cover plate until it encounters noticeable resistance.

“Teaching” the transmitter:

1. Briefly activate the learning key.
2. Press any transmit key for at least 3 seconds.
3. This programs the transmitter to the receiver.
4. Up to 10 transmitters can be programmed using this sequence.

Delete transmitter:

1. Depress the learning key for at least 5 seconds.
2. All stored transmitters will be deleted in this process.
3. Now the device can be reprogrammed.

Thus multiple hand-held transmitters can also be programmed (in case a replacement unit has been ordered for a lost transmitter).



Function and operation

The devices that are connected to the switched outlets are switched on or off by activating the respective 0 / 1 buttons of the hand-held transmitter.

The fountain height or flow rate of your pump which is connected to the dimmable outlet can be controlled with the wide + / - key on the hand-held transmitter.

A long activation of the + key results in operating the pumps with maximum flow rate.

A long activation of the - key results in operating the pumps with minimum flow rate. The transmitter has a range of up to app. 80 m (max.) under optimal conditions in an open area.

The range is decreased by:

- a.) Obstacles between transmitter and receiver like house walls etc.
- b.) External wireless interference such as through mobile phones
- c.) Weak batteries
- d.) Interference from mobile phone aerials and radio waves

