

DrinSubDrin

Trade made by



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DrinSubDrin



Ultrasonic underwater alert system



DriSubDrin

Manual for use

Turn on \ turn off

This device turns automatically on when submerged in the water and turn automatically off when go out. N.B. At end of diving it necessary dry the cap side A and B and put the device in dry place. In order to check Before diving check the device is on; wet one's fingers and touch simultaneously caps A and B, then press the button C for 5 second: the led D will confirm turn on by a short flash when press and when releasing C; If the led D flashes continually while press the button C it is necessary to change batteries (see *batteries replacement*) because they have low energy. If there are not flash at all it is necessary check:

1. there are batteries in the device;
2. the batteries are in correct position;
3. after checking the points 1 and 2 replace the batteries because they have not energy.

Batteries replacements

Open cap A unscrewing it counter clockwise and replace the batteries respecting the polarity as show in the draw. Screw on completely the cap clockwise.

Make an operation test (see *turn on / turn off*).

Attention: Check the condition the O-ring cap!

It must not show abrasion, breaks or dirt. It is advisable to lubricate the O-ring with silicone grease before screwing the cap.

The non-observance of this phase can compromise irreparably the device function and automatically invalidates the guarantee.

Ultrasonic underwater alert system

Transmission and reception channel set

Unscrew cap B counter clockwise and set the code as follow:

channel 1	off	off	off	off
channel 2	off	off	off	on
channel 3	off	off	on	off
channel 4	off	off	on	on
channel 5	off	on	off	off
channel 6	off	on	off	on
channel 7	off	on	on	off
channel 8	on	on	on	on
channel 9	on	off	off	off
channel 10	on	off	off	on
channel 11	on	off	on	off
channel 12	on	off	on	off
channel 13	on	on	off	off
channel 14	on	on	off	on
channel 15	on	on	on	off

channel 16 on on on on

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Fixing the device to the diving mask

Before sticking the tape clean with alcohol or ammonia, after fixing the device to the diving mask with the adhesive tape included (or silicone) on the support slide E on the upper part respecting the insert side of the device, the button must be on the right of the mask. Fix the side and waiting for 3 hours for the tape or 8 hours for the silicone before insert the device

in the slide support, if the slide is too long due to the edge of the mask cut off at least 2 cm. of support surface.

Remove the support slide

For removal the support slide it is necessary cut the tape or silicone film between the slide and the mask.

Take off the slide and remove the adhesive lifting it from a side and pull in the opposite direction; finally clean all with denatured alcohol.

Insert and remove the device

Insert the device by sliding it from the right to the left in the special slide, remove the device by sliding until it is out of the supporting slide. Rinse it with fresh water after dry it and put in dry place far from heat or sunlight.

How to use the device

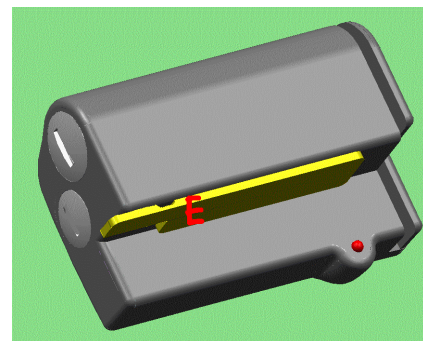
This system keep in touch with one's diving mates without having to resort to strange, noisy or expensive devices. Its purpose is to draw the diving mates' attention by means of codified ultrasonic signal (not audible for human hear), with this way it will be possible to alert whoever we want without involving other divers. This device has 16 transmission/reception channels so it is possible even to dive when many people have equipped with similar alert systems without interfering with them.

Example:

There are a lot of submersibles with their instructors or companions on the navy. The device during the transmission can't receive other calls. Before diving it is necessary to set different channels; this will be assigned by common consent to each group that will set the device (see *transmission and reception channel set*). The first group will use the channel 1, the second group will use the channel 2 and so on (We have now talked of groups but they could be simply couples!).



Now it is possible to start the diving program. If we want to call the attention of our diving mates we only look towards them and press button C for a few seconds (no more 10 seconds). We can repeat it more times until we have the attention of other divers tuned on the same channel. When the transmission starts the LED D flashes once; when button C is released the LED D flashes once to confirm us that the transmission is finished. If the LED D flashes continually during transmission it means that the batteries have low energy and must be replaced as soon as possible (see *batteries replacements*). The signal is recognised by the other device and their LED will light as long as the signal lasts. It is possible to interact, in case of need, with all the other diving groups by pushing the button C for more 10 seconds; after this time the persistent signal will be interpreted as an alarm and the LED D will light up even on devices set on different channels from the one transmitting. This device has not been conceived as a safety system if it could seem; therefore it is necessary to remain in the field of vision of one's diving mates and never diving alone. **Attention: the signal can be known with late in particularly ambient condition so we push the call button for 5 seconds.**
Have nice diving in blue sea!!!!!!!!!!!!!!



The batteries 6V (Alkaline mod 4LR44 or lit mod K28L) can be placed so look from drawing.

