



PT9 C-PROOF

UNDERWATER LOCATING DEVICE

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ISO 9001:2008
Cert. No. 6319

PT9 C-PROOF with Power-Loss-Switch

The PT9 C-PROOF PLS is battery operated and primarily consists of an electronic module and a switch. Protected by a cylindrical, water- and weather-resistant housing, the PT9 C-PROOF PLS withstands extreme environmental conditions, high impact and deep-water pressure of up to 6000m. Immersion in fresh or salt water activates the PT9 C-PROOF PLS. The battery capacity is dimensioned in such a way that the PT9 C-PROOF is able to send this ultrasonic signal with constant signal intensity for the duration of at least 30 days.



Technical Specifications

Operating Frequency	42 kHz (± 1 kHz)
Operating Depth	Surface to 6000 m (surface to 20.000 feet)
Pulse Length	Approx. 9 ms
Pulse Repetition Rate	Approx. 0,9 Pulse/s
Operating Life	30 days (minimum)
Acoustic Output (min.)	106 N/m ² rms pressure @ 1 metre (160,5 dB)
-after 30 days (min.)	70 N/m ² rms pressure @ 1 metre (157,0 dB)
Operating Temperature Range	-2°C (28 °F) to 38°C (100 °F)
Actuation	Fresh or salt water
Radiation Pattern	Rated output over 80% of sphere
Power Source	Self-contained, lithium battery (field-replaceable)
Housing	Aluminium alloy, with proven, corrosion resistant C-Proof coating
Measure	Length 120 mm (housing 100 mm; diameter 33 mm)
Plug connector	Subconn
Weight	Approx. 200 g (without plug)
Standard	According to SAE AS 8045

Activation Condition:

- **Shorted dummy:** PT9 C-PROOF PLS works when immersed in water (like a standard PT9 C-PROOF).

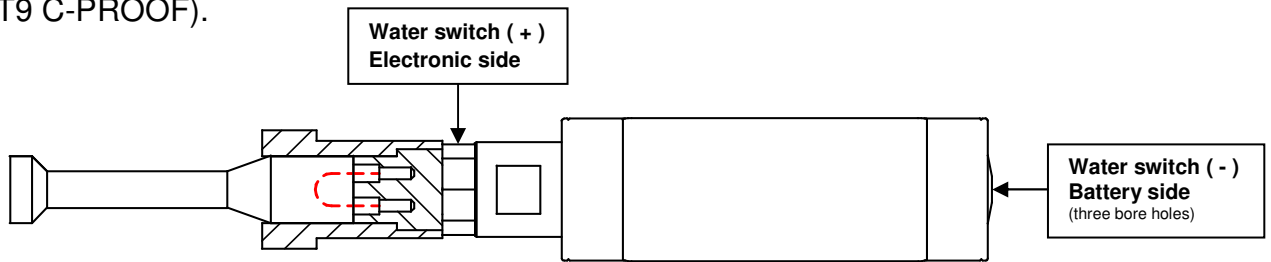


Figure: Shorted dummy

- **Cable connector:** The PT9 C-PROOF PLS works, immersed in fresh or salt water, when the battery power of the underwater device falls or fails and the relay, connected to the two wires, closes.

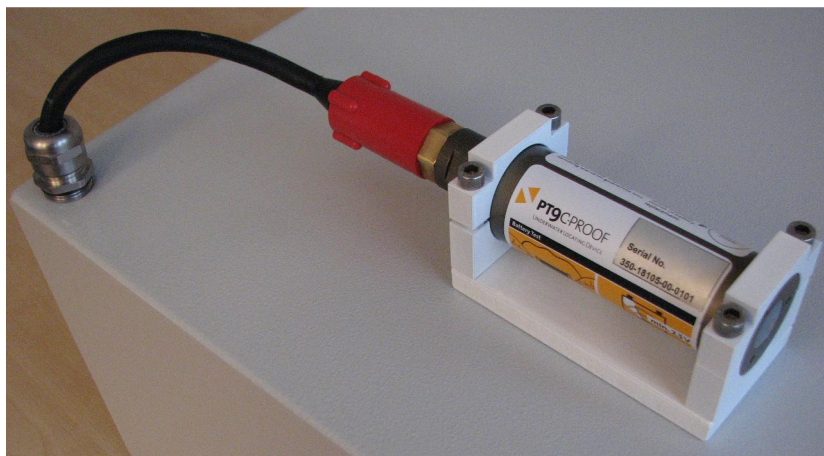
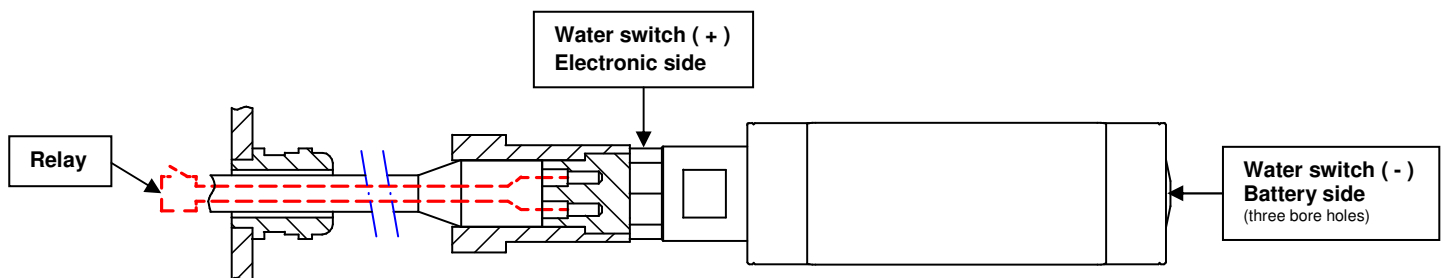


Figure: Cable connector

Note: The PT9 C-PROOF PLS functions only when immersed in fresh or salt water and when the two wires of the cable (Relay) are connected.