

**General**

In hydrophore systems, it is designed to enable the pumps to be activated when necessary and to be operated sequentially [equal aging].

**Usage and Working Principle of the Device**

The hydrophore sequence is as follows: (H1) - (H2) - (H3) and (H1-H2) - (H2-H3) - (H1-H3). It activates hydrophores at the same number with the closed switches and keeps them operating during the "DT" time. After the "DT" time is up, it engages the next hydrophore or the hydrophore group and continues in this way. It deactivates hydrophores at the same number with the open switches.

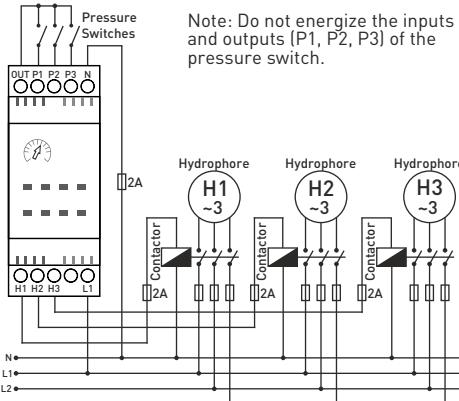
The time interval in which the hydrophores will operate is set with the DT knob on the device. This time can be set to Off, 10min, 30min, 1hr, 3hr, 6hr and 12hr.

If DT time is set as "OFF", the time dependent hydrophore activation function of the device is deactivated, it only activate and deactivate the hydrophore according to the pressure change.

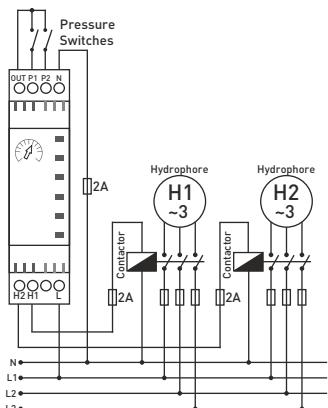
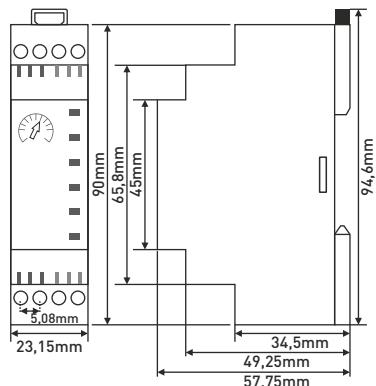
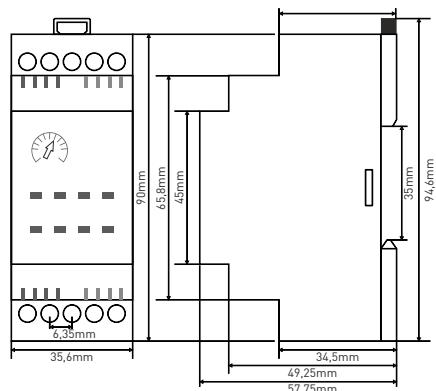
NOTE: There is a delay of approximately 2 seconds when the hydrophores is activated and deactivated.

**Warnings**

- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

**Connection Diagram for HSR-03X**

Note: Do not energize the inputs and outputs (P1, P2, P3) of the pressure switch.

**Connection Diagram for HSR-02X****Dimensions for HSR-02X****Dimensions for HSR-03X****Technical Specifications**

Operating Voltage (Un)	: 150V-250V AC (N-L)
Operating Frequency	: 50/60 Hz.
Operating Power	: <6VA
Operating Temperature	: -20°C.....+55°C
Number of Hydrophores	: 2x HSR-02X, 3x HSR-03X
Number of Pressure Sw.	: 2x HSR-02X, 3x HSR-03X
Contact	: 3A 250V AC Resistive Load
Time (DT)	: Off, 10min, 30min, 1hr, 3hr, 6hr and 12hr.
Display	: 7x LEDs (HSR-03X), 5x LEDs (HSR-02X)
Mounting	: Mounting on terminal rail
Weight	: <250gr.
Operating Altitude	: <2000m
Cable Diameter	: 1,5mm <sup>2</sup> (HSR-02X), 2,5mm <sup>2</sup> (HSR-03X)

