

# LEVEL CONTROL TYPE LPH

## HIGH - LOW LEVEL ALARM - PUMP START/STOP

### MODE OF OPERATION

The level control type ERAB LPH, consist of an amplifier box (module) and 4 electrodes. The electrodes determine the water level by measuring the difference in conductivity between steam and water

### LOW LEVEL ALARM

The low level alarm is activated if the level falls below the electrode of the low level alarm. (Electronic delay approx. 10 sec.). The low level alarm is automatically resets, when the level raised to or above the electrode.

### HIGH LEVEL ALARM

The high level alarm is activated if the level rises to the electrode of the high level (electronic delay about 10 sec.). The high level alarm automatically resets, when the level falls below the electrode.

### PUMP CONTROL

The pumps start when the level falls below the pump start electrode, and stops when the level reaches the pump stop electrode. Electronic delay approx. 5 sec. eliminates disturbances from splash and rapid level variations.

### ELECTRODE

The electrode type ENT120 or SME 32.x is used in steam boilers. Electrode type ENT120 is mounted in the ERAB electrode stand with flange connection. (Standard dim.: DN100 PN40 DIN2527). Electrode stands for other dimensions and pressure, can be supplied on request. The electrode SH25 is used in feed water tanks and expansion systems. The electrode is mounted on a socket at the level which will activate the alarm. Connection 1" BSP PN40.

### MODULE LPH

The module is provided with a plug-in connection, and consists of unit for power supply, amplifier, time delay, relays, signal lamps (LED), test and by pass buttons. The module is produced for panel or wall mounting, and is compensated against variations in the power supply, the conductivity and the ambient temperature.

