

SAFETY DEVICE TYPE ENT

FOR STEAM AND SUPERHEATED BOILERS

MODE OF OPERATION

ERAB safety device, cut-off the burner and gives an alarm, when the level falls below the low-low water line. The equipment consists of one amplifier units module type ENT, and one electrode.

The electrode determined the level by conductivity measuring. The power supply to the burner is switched off, and an alarm is activated, when the water level falls below the electrode. The module can be reset, after an alarm condition, by using a special key or activating the input for remote resetting. Electronic delay approx. 10 sec. eliminate disturbances from splash and rapid level variation. The instrument has a diagnostic test facility, by means of a test button.

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

The module is provided with a plug-in connection, and consists of unit for power supply, amplifiers, time delay relays, signal lamps (L.E.D.), test button and a reset lock. The module is produced for panel, wall or rail mounting, and is compensated against variations in the power supply, the conductivity and the ambient temperature. The module is self-checking "FAIL SAFE", even the electrode cable is monitored

