

STD-02 WATER HEATING, IMMERSION DETECTOR

Control of water based heating and circulation pump. A frost protection sensor (immersion) protects the coil. The frost protection sensor protects the coil by keeping the coil tempered using two setpoints, one for when the unit is running and one for when the unit is in standby. If risk of freezing still is still at hand the unit shuts down. The pump starts on heating demand and pump kicks periodically during idle periods.

Frost protection sensor is to be fitted in the return water pipe (the coldest point).

Immersion temperature sensor

Insert an immersion temp. sensor into the coil through the coil's built-in connection nipple. Depending on the direction of airflow through the coil (supply air flowing from left to right or vice versa) install the immersion sensor at the bottom or top to sense the cold spot. See the following illustrations.

