

Installing the 2-in-1 Sensor

Note: There are two versions of the 2-in-1 sensor. The 76002N1SXX is an integrated single unit consisting of a sensor and thermowell. The 76002N1RXX consists of two components, a thermowell (7600TWXX) and a replaceable sensor probe (7600PXX). The following instructions apply to both versions unless otherwise specified.

CAUTION For proper operation, there must be a secure electrical bond between the green sensor wire from the sensor and the boiler metal vessel in direct contact with the boiler water. Failure to secure an electrical bond will result in the AquaSmart locking out and displaying, "LOCKOUT - LOW WATER".

WARNING Leak, Burn, and Scald Hazards

Incompatible thread sealants could severely damage the sensor threads.

- Only use Teflon® Tape or Rectorseal® No. 5® (soft-set).
- DO NOT use any anaerobic fast-setting sealants such as, but not limited to, Loctite®, Leak Lock®, Permatex®, or Gasoil®.
- Call RWB Technical Services at 1(800)645-2876 to confirm, if unsure.

WARNING Do not use in steam applications. For use in hot water boilers or water heaters only. Do not use outside of the intended use and specifications.

WARNING Explosion, Burn and Scald Hazards

Excessive water temperatures could cause explosion, burns, scalding, pressure relief flooding and fitting leaks.

- The 2-in-1 Sensor shall only be installed by a trained professional.
- The sensor must be installed in the proper location for correct low water cut-off (LWCO) operation in accordance with the Boiler Manufacturer's instructions.
- The 2-in-1 sensor body is installed directly into the boiler wall tapped hole in place of an immersion well.
- Carefully follow the outlined procedures for temperature sensor installation to ensure accurate water temperature sensing and effective control operation.
- Make sure the plumbing for domestic hot water has anti-scald valve protection.
- Follow all applicable safety codes, rules and guidelines for installing an immersion well. Improper installation can result in the Boiler overheating.

Figure 5 - Overall Dimensions & Specifications

