



The FluidWatch® II Leak Detection System has been engineered to monitor small areas for water leaks. Typical applications include unmanned equipment rooms, small raised floor areas and small tanks. The system continuously monitors the capacitance of the sensor cable and detects changes from the initial value. Just seconds after the coaxial sensor cable contacts water or water-based liquids, the unit enters into alarm. The sensor can be quickly dried in place after the leak is cleaned up and the system put back on-line.

FluidWatch II is powered by 10-30 V, AC/DC. The alarm unit has three output relays rated for 10 A @ 125 VAC, 6 A @ 277 VAC or 5 A @ 30 VDC. The alarm unit activates two



relays when a leak occurs and one when a break occurs. There is an internal adjustment to set desired alarm threshold from several inches to several feet to suit any application.

FluidWatch II comes complete with a monitoring unit and sensor cable. Sensor and jumper cable sections can be mixed to monitor multiple areas. Cable connectors are factory installed.

PRODUCT FEATURES / BENEFITS

- Senses water-based liquids
- Sensitivity from several inches to several feet
- Durable sensor cable
- Available in custom sensor lengths
- Comes in a kit, complete with sensor cable.

Model Number	Part Number
FWII XX-XXX	8027874

- XX – length of jumper cable (if used)
 XXX – length of sensor cable.

SPECIFICATIONS

PART 1 SYSTEM

1.1 The FluidWatch II Leak Detection System shall consist of an electronic monitoring unit and coaxial water-sensing cable. All cable connectors shall be factory installed.

The system supplier shall have at least ten years of experience in the manufacture of leak detection systems.

PART 2 COMPONENTS

2.1 The monitoring unit shall be able to monitor one length of sensing cable. The unit shall be equipped with three SPDT Form 1C relays having contacts rated for 10 A @ 125 VAC, 6 A @ 277 VAC. Two relays shall be switched in the event of a leak and one shall be switched in the event of a continuity fault. The system shall have internal adjustment for cable sensitivity.

The monitoring unit shall be powered by 10-30 V, AC or DC. It shall be housed in a NEMA 1 nonmetallic enclosure with nominal dimensions of 6" x 3" x 2".

2.2 The standard sensor shall be a coaxial cable consisting of an insulated center conductor, water permeable dielectric core and outer braid conductor.

The sensing cable shall have the ability to detect the presence of water at any point along the cable's length. The cable shall be easily field repairable, flexible and carry less than 6 VDC under normal operating conditions.

The sensing cable shall be available in custom lengths from 15 to 100 ft. All sensing cable shall be supplied with connectors.

2.3 The system shall include one monitoring unit and one length of sensing cable.

2.4 An optional non-sensing jumper cable connecting the panel to the sensing cable shall be available.

PART 3 INSTALLATION

3.1 All FluidWatch II system components shall be installed in accordance with manufacturer's installation instructions.

3.2 The monitoring unit shall be installed and powered in accordance with NEC and local code requirements.

TECHNICAL DATA:

- Unit Dimensions: 3.15" H x 5.91" W x 1.82" D (80 mm x 150 x 46 mm)
- Power: 10-30 V, AC/DC, 6 VA/6 W
- Unit Weight: 2 lb (1kg)
- Unit Operating Temperature: 0°F to 120°F (-18°C to 50°C)
- Std. sensor cable temperature limit 400°F (205°C)
- Available Cable Lengths: 15 ft to 100 ft (5 m to 30 m)

ALARM OUTPUTS:

- 3-10 A SPDT Relays



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