



The FluidWatch®II LeakDetection Monitoring Unit 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.



There is an internal adjustment to set desired alarm threshold from several inches to several feet to suit any application.

FluidWatchII 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.

FluidWatchII comes complete with a monitoring unit and sensor cable. The cable connector is factory installed.

PRODUCT FEATURES

- Senses water-based liquids within seconds of contact
- 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
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 1 C 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 is available.

PART 3 • INSTALLATION

3.1 All FluidWatchII 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.

DESCRIPTION:

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

ALARM OUTPUTS:

- 3-10 A SPDT Relays



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