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Radio Frequency Connected Water Leak Alarm type RFWD for Houses Flats and outbuildings.







The RFWD water leak detection system consists of between one and four remote battery powered leak sensors, that can operate as a stand alone units or communicate to a remote alarm unit wire free. For easy of locating the leak, each sensor has its own built in “Battery Low” or “Water Detected” audible alarm, as well as being able to send the alarm status to a remote alarm panel via a uniquely coded 868MHz radio signal.



Sensor Features

-  **Limits damage caused to the building and personal property by water leaks**
-  **1 metre of water detection cable that can be cut to required length**
-  **Multi tone water detected alarm to advise that a leak has been found**
-  **Single audible beep when the AA batteries need changing**
-  **Three year battery life with no alarms, 6 months when in permanent alarm**
-  **Fix to wall, tiles or wood etc. using supplied hook and loop tape**
-  **Small size 110mm high x 65mm wide x 28mm deep**

Alarm unit Features

-  **Mains powered 100 to 240VAC 50/60Hz**
-  **Colour TFT touch screen display**
-  **Optional water shutoff valve to turn off the water if a leak is detected or in an emergency**
-  **Water alarm, battery low BMS contact, SMS text output & beacon sounder output**
-  **Individual sensor status screen. Add or remove fitted sensor screen. Help screen**
-  **No interconnecting sensor cabling required, can be fitted up to 80 metres away from sensor.**



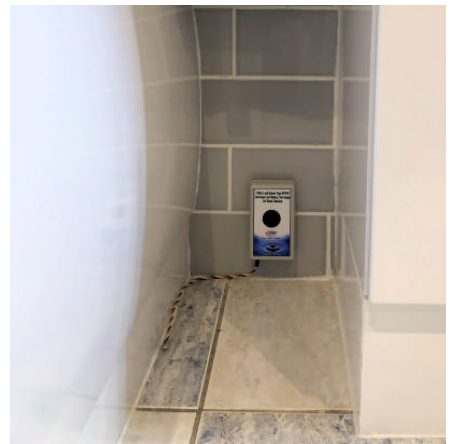
Water Leak Alarm type RFWD



Between one and four remote sensors can be connected to an alarm unit, providing wire free water leak detection sensing in areas such as kitchen, bathroom, shower room basement or areas that running cables too would be difficult such as garages and out buildings. Providing no more than four sensors are installed, additional sensors can be added at anytime.

Being powered by two “AA” batteries and wire free, each sensor is provided with a hook & loop (Velcro) tape allowing it to be easily fitted to a wall, tiles, skirting, behind a toilet, under a sink etc. The sensor is also provided with a one metre length of water sensing cable that can be cut using a pair of scissors to any length to suite the environment i.e., behind a toilet could be a 15cm long detection cable, whilst under a bath or sink 100cm cable might be best. To extend the life of the batteries, the sensor checks for a water leak every 6 seconds before going back to sleep and automatically resets once the sensor cable is dry. To stop the sensor wire from eroding away due to electrolysis, the electrical detection signal is an alternating (AC) voltage.

The remote alarm unit can monitor up to four remote sensors for “Low Battery”, “Not connected” or “Water Detected” and if required, turn the water supply off if a leak is detected. The main screen on the alarm unit displays the common status of all fitted sensors advising if one of the sensors needs a battery change, missing or if a sensor has detected a leak. Further information about the status of each sensor can be displayed by using the touch screen buttons. The alarm unit also has the ability to manually turn off the water supply in an emergency, or turn the water back on after a leak has been detected. If required, the alarm unit can be provided with a mutable sounder beacon and or text messaging.



The RFWD has been designed to provide a water leak detection system with mains water supply shut off if a leak is found, in locations where running interconnecting cables would be impossible or very difficult. The alarm unit will also provides both “Water On” and “Water Off” push buttons to allow the mains water supply to be turned off in an emergency of when the building is unoccupied such as going on holiday.



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Sensor Specification

- Sensor size 110mm high x 65mm wide x 28mm deep
- Detection cable length 100cm can be cut to any length
- Battery type 2 x AA
- Battery life With no alarms, 3 years
- Battery low warning Yes, will continue to detect but will stop communicating to alarm unit.
- Fixing Supplied with Hook & Loop (Velcro) tape
- Max time to detect a leak 6 seconds
- Audible warning Double beep every 20 seconds for leak, single beep for low battery
- Max distance from alarm unit 80 metres Radio Frequency 868MHz

Alarm unit specification

- Size 180mm wide x 130mm high x 80mm deep
- Supply voltage 100-240VAC 50/60Hz 3 amp
- Display 2.8" LCD, TFT touch screen
- Common alarm output Volt free contact for use by BMS or alarm system
- Common Fault output Volt free contact for use by BMS or alarm system
- Optional water shutoff 12VDC motorised ball valves from 15 to 50mm pipe size
- Optional Sounder Beacon Combined mutable 110dB pulsing sounder a red flashing beacon
- Optional Text messaging Send a water leak text message to 1 or 2 mobile phones

