

## Froet 6000 Series Flow Sensor

Patent pending



The Froet Flow Sensor is designed to notify the building maintenance staff (five unit only) whenever there is flow in the overflow drainage system, typically an indication of either a primary drainage system blockage or the inability of the primary system to adequately handle the water load on the roof. The multiple sensor positions of the in-pipe pickups provides alerts for both low and high flow conditions. Any registered flow level remains present until manually cleared, ensuring that the drainage system is not only monitored around the clock, but that no one needs to be present to witness the event. The information provided by Froet Flow Sensor System alerts the owner to the maintenance needs of the drainage system, possibly avoiding a catastrophic structural failure.

The flow sensor pick-up is supplied in a 6 inch long section of PVC or steel pipe to be installed by either no-hub gaskets, or gluing the PVC section into a horizontal run of the overflow drainage line. The sensor should not be installed closer than 18" to an upstream elbow, distance will vary with pipe diameter. The signal is carried to the control unit via a low voltage 12V signal (wiring not included). Outputs (five unit only) are provided for connection to building management systems. Power is supplied to the unit from a 120 volt to 12 volt plug in transformer included with the sensor.

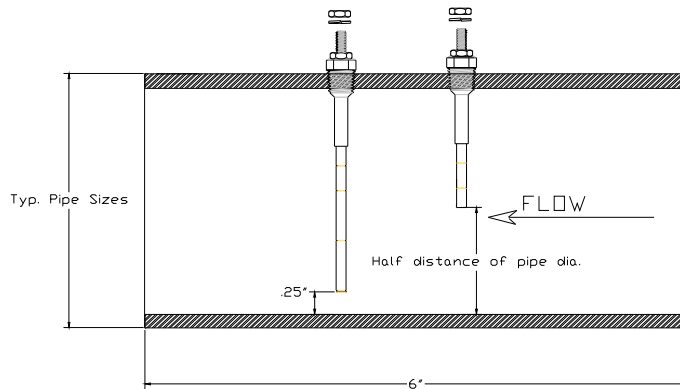
SPECIFICATIONS
<b>Pipe Line Size:</b> 2" thru 12"
<b>Material:</b> PVC , Steel pipe or Cast Iron
<b>Sensor pickup Material:</b> Stainless Steel
<b>Pickup signal:</b> 12 volt
<b>Supply power:</b> 120 AC transformer reduced to 12 Volt (UL listed)
<b>Five unit only Output:</b> Dry contact switch for building management systems (signal=closed)

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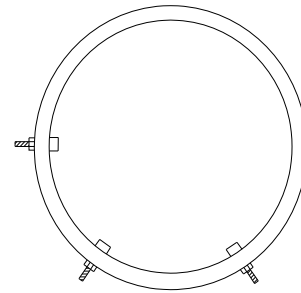
Specifications and dimensions subject to change without notice

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Steel or Cast Iron pipe pick-up



PVC pipe pick-up

See: Froet 6000 flow sensor order form for correct ordering

## Important information

If the overflow system is connecting to the primary on the horizontal the pickup must be in an elevated pipe section to prevent a false signal from water backing up the overflow pipe from the primary pipe

This product is not approved for use in hazardous locations or use with flammable liquids.

This product is designed to be used with a properly designed drainage system where the overflow system flows water in only rare occasions due to blockage or excessive rainfall. Use in a system that flows overflow water on a frequent basis due to improper design or installation may cause pickup corrosion and reduce the service life of the pickup terminals.

Removal of the pickup terminals will void warranty.

This product is designed to monitor one overflow drain per sensor, installation of the pickup sensor in a pipe with multiple upstream drains will not provide correct overflow notification.

## Disclaimer

The Froet Flow Sensor is designed for the purpose of notification of an overflow situation on a roof due to back up of the primary drainage system. Maintenance is still required to maintain the proper operation of a roof drainage system.

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