

Overview

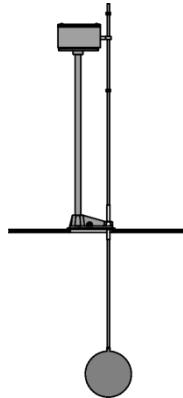
Level controls are used to detect the level of a liquid within a basin and subsequently control the operation of the pump(s) within that system. Weil offers 4 types of level controls: Mechanical Levers, Pressure Diaphragms, Tethered Floats and Level transmitters.

Mechanical Lever

Operation: The lever switch is actuated by a float ball or cylinder affixed to a rod. When water level rises or drops, float stops screwed to the rod 'trip' the mechanical lever switch, turning the pump on or off.

Mount: Lever switches are pedestal mounted to a wet well cover

- Available for simplex or duplex systems
- High Water Alarm contact option available for duplex systems



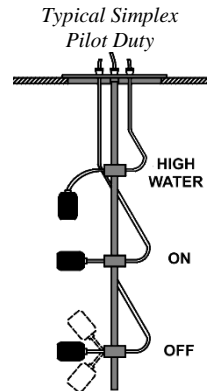
Model	System	Type	Pedestal Height
8201	Simplex	Standard – On/Off	28 Inches
8202	Simplex	Standard – On/Off	14 Inches
8211	Duplex	Alternating	28 Inches
8212	Duplex	Alternating	14 Inches
8213	Duplex	Non-Alternating	28 Inches
8219C	Duplex	Alternating with Circuit Breakers	28 Inches

Tethered Floats

Operation: Tethered floats sense liquid level by the position of the float. Rising water lifts the float and actuates an internal mechanical switch.

Mount: Pipe mounted to basin cover or basin wall for pilot duty. HP rated floats are typically mounted to discharge pipe.

- HP Rated float switches have a piggyback plug end
- Simplex Systems require 3 floats (Off, On, High water)
- Duplex Systems require 4 floats (Off, Pump 1, Pump 2, High water)



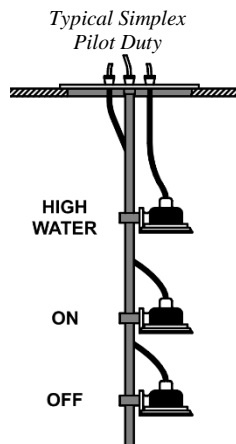
Model	Type	Description
8233	Pilot Duty	Standard
8234	Pilot Duty	Intrinsically Safe
8235	Pilot Duty	High Temp
8241	HP Rated (Direct Duty)	Dual Float Piggyback
8245	HP Rated (Direct Duty)	Single Float Piggyback

Pressure Diaphragm

Operation: Pressure Diaphragms sense liquid by means of diaphragm actuated micro switches. Rising water applies pressure to the diaphragm plate causing actuation of the switch.

Mount: Pipe mounted to basin cover or basin wall for pilot duty. HP rated diaphragms can be mounted to the discharge pipe or pump.

- HP Rated float switches have a piggyback plug end
- Simplex Systems require 3 Diaphragms (Off, On, High water)
- Duplex Systems require 4 Diaphragms (Off, Pump 1, Pump 2, High water)



Model	Type	Description
8223	Pilot Duty	Standard
8224	HP Rated (Direct Duty)	Piggyback

Level Transmitters

Operation: Measures the height of liquids above the sensor's position in the tank referenced to atmospheric pressure.

Mount: Both probe and base units have a 1/2" NPT end, allowing them to be pipe mounted. Base unit may also be floor mounted.

- Available in standard or intrinsically safe construction.
- Only compatible with PLC Control Panels



Model	Type	Description
8262K10XX	Probe	Clearwater
8262K20XX	Base	Sewage