

WATER MOTOR ALARM

Model W

The Water Motor Alarm is a hydro-mechanical automatic sound warning device actuated by water flow. It sounds a continuous alarm while a Deluge or Water Control Valve operates. This unit is designed for wall or pipe mounting and is suitable for outdoor installation. The Water Motor Alarm gong assembly package is supplied loose and includes a 3/4" strainer.

Features

- Self contained, line pressure operated
- Quick and positive operation
- Weather proof
- No cover needed, suited for outdoor installation

Approvals

UL Listed
Optional: FM Approved

Materials

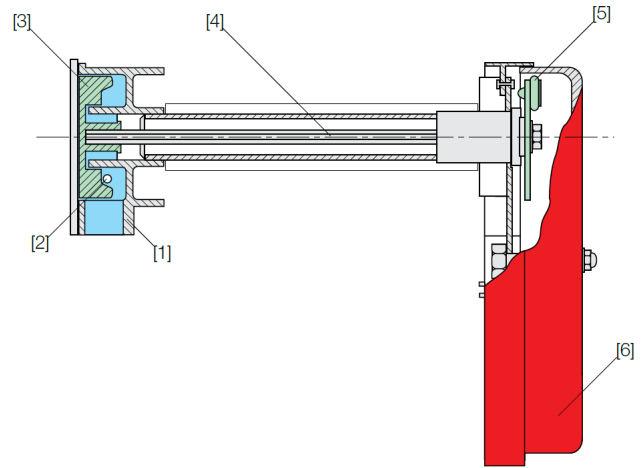
Gong: Aluminum
Housing: Aluminum
Fasteners: Galvanized Steel
Impeller: Delrin
Nozzle: Brass

End Connections

Inlet: 3/4" BSPT (F)
Outlet drain: 1" BSPT (F)

Operation:

When a Deluge Valve is activated, water flows through the valve's trim, supplying water pressure through the strainer and into the water motor inlet. From the inlet, the water flows through a nozzle [2] which directs the stream to the impeller [3]. The stream turns the impeller and drive shaft [4], causing the striker arm [5] to rotate and strike the gong, thus producing a continuous alarm. The water is discharged through a 1" (25 mm) drain outlet at the bottom of the impeller housing. The discharged water must be piped through the wall to the atmosphere or to a suitable open drain.



Part	Description
1	Impeller housing
2	Nozzle
3	Impeller
4	Drive shaft
5	Alarm arm assembly
6	Gong

Port	Size	Connections
Inlet	3/4" BSP	Inlet