

**WATER SUPPLIES DEPARTMENT**  
**STANDARD SPECIFICATION E-86-31**  
**PADDLE TYPE NO-FLOW SWITCH**

1. **GENERAL**

The no-flow switch shall be used in water piping system for initiation of tripping or alarming at the preset value.

2. **DESIGN**

The paddle type no-flow switch shall utilize the force of water flow to propel its paddle for detecting the incoming flow or movement of the water in the pipe through the actuation of a magnetic switch contact.

The paddle shall withstand the specified maximum velocity and pressure in the pipeline without damage and shall be sensitive enough to detect the whole range of flow rates.

3. **CONSTRUCTION**

Materials in contact with liquid : Stainless steel 316

Output contact rating : 1A 220V 50 Hz changeover type

Flow range setting : As specified in the Particular Specification

Degree of protection of switch enclosure : IP65 to IEC 60529 or better

Pressure rating of sensor : PN16 or otherwise specified in the Particular Specification

Mounting of sensor : Flange mounted for pump delivery system; size as specified in the Particular Specification

- End of this Specification -