

# KSR Suspended Float Switches

CE



## General Description

KSR Suspended Float Switches type MS 1 und M 2 are especially suited for use in waste water treatment plants and pumping stations. Their main application is with heavily soiled liquids e.g. raw sewage.

## Mode of Operation

KSR Suspended Float Switches will be mounted hanging from the top via a highly flexible cable. They contain a micro-switch in a dual sealed chamber system, which makes it shock- and water-proof. If the float is immersed in liquid, the float ball tilts and activates the micro-switch. Type MS 1 has an additional built-in weight that makes it suitable for liquids with large particles. Each switch point requires its own KSR Suspended Float Switch. The contact is of SPDT type and can thus be used as high or low alarm.

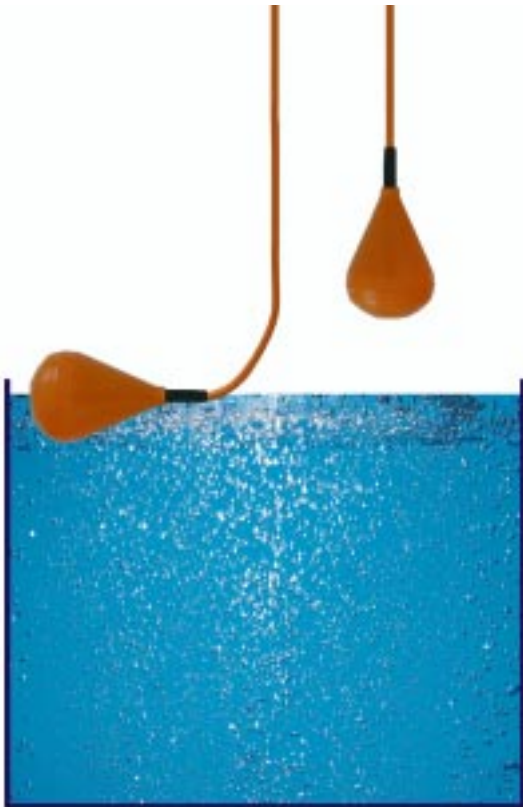
Due to the patented central position of the micro-switch, the KSR Suspended Float Switch will be functional independent from the side to which the float ball turns.

## Features

For waste water, sewage and heavily soiled liquids.

- environmentally friendly, mercury- and lead-free
- PP housing
- high mechanical and electrical durability of micro-switch
- suitable for use in hazardous areas  
Ex zone 0, 1, and 2

1009-1



M 2



MS 1

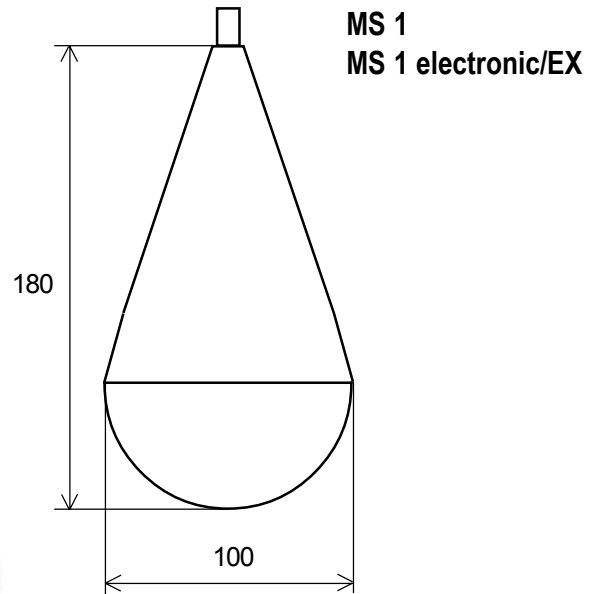
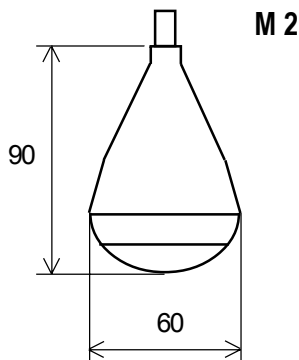


MS 1 electronic/Ex



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### Technical Data

	M 2	MS 1	MS 1 electronic/EX
<b>S.G.</b>	950 - 1050 kg/m <sup>3</sup>	950 - 1050 kg/m <sup>3</sup>	950 - 1050 kg/m <sup>3</sup>
<b>Max. Temperature</b>	80°C	80°C	80°C
<b>Switch rating</b>	2A / 250V	5A / 250V	1 - 100mA / 4 - 40V
<b>Housing</b>	PP	PP	PP PRE-ELEC (anti-static)
<b>Colour</b>	orange	orange	black
<b>Ingress protection</b>	IP 68	IP 68	IP 68
<b>Cable</b>	PUR/PVC orange	PUR/PVC orange	TPK/PVC blue
<b>Cable size</b>	3 x 0,5 mm <sup>2</sup>	3 x 1,0 mm <sup>2</sup>	3 x 0,75 mm <sup>2</sup>
<b>Cable length</b>	5 / 10 / 20 m	5 / 10 / 20 m	5 / 10 / 20 m
<b>Approval</b>	-	-	EEx ia IIC T6 ASEV 99.1 10036



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