

# MS Series

The MS series of cable end float switches are designed for controlling levels in large tanks, cisterns or reservoirs and can be directly installed on submersible pumps. The casing is manufactured in blow moulded Polyethylene (HDPE), with 5m PVC cable with protective earth conductor as standard\*. The switching element is a microswitch, with UL, VDE and CENELEC approvals, activated by a moving stainless steel ball and having an electrical life of 200,000 operations. Non-hygroscopic closed-cell expanded polyurethane is injected around the switch housing within the outer casing, hermetically sealing the unit. It is capable of working down to 100 metres depth in water.

The “U” version with polyurethane cable is for use in fuel oils.

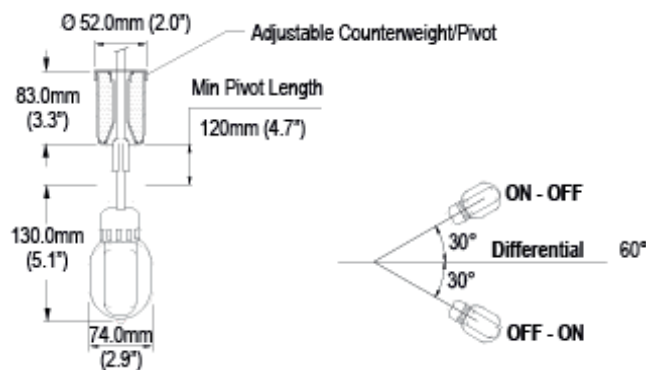
\* = protective earth wire not included on “C” (C/O) versions.



Part No.	Contact Form	Switching Current Max. (Amps)			Power Rating Max.		Switching Voltage Max.		Cable Matl.	Cable Length *	Body Matl.	Temp. Range		Max. Pressure
		AC		DC	AC (VA)	DC (W)	AC	DC				°C	°F	
		Resistive	Inductive											
MS10A	N/O	10	4	1	750	24	250	24	PVC	5m	HDPE	0-45	32-113	10 bar
MS10AU	N/O	10	4	1	750	24	250	24	PUR	5m	HDPE	0-45	32-113	10 bar
MS10B	N/C	10	4	1	750	24	250	24	PVC	5m	HDPE	0-45	32-113	10 bar
MS10BU	N/C	10	4	1	750	24	250	24	PUR	5m	HDPE	0-45	32-113	10 bar
MS10C	C/O	10	4	1	750	24	250	24	PVC	5m	HDPE	0-45	32-113	10 bar
MS10CU	C/O	10	4	1	750	24	250	24	PUR	5m	HDPE	0-45	32-113	10 bar
MS20A	N/O	10	8	2	1500	48	250	24	PVC	5m	HDPE	0-45	32-113	10 bar
MS20AU	N/O	10	8	2	1500	48	250	24	PUR	5m	HDPE	0-45	32-113	10 bar
MS20B	N/C	10	8	2	1500	48	250	24	PVC	5m	HDPE	0-45	32-113	10 bar
MS20BU	N/C	10	8	2	1500	48	250	24	PUR	5m	HDPE	0-45	32-113	10 bar
MS20C	C/O	10	8	2	1500	48	250	24	PVC	5m	HDPE	0-45	32-113	10 bar
MS20CU	C/O	10	8	2	1500	48	250	24	PUR	5m	HDPE	0-45	32-113	10 bar

\* = protective earth wire included except on “C” (C/O) versions.

## Mechanical



- Direct power switching
- Cable mounting
- 100 metre depth capability

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ISO 9001 CERTIFIED

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## Part Numbering System

**MS 10 A U 10**

**Series** \_\_\_\_\_

**Max. current** \_\_\_\_\_

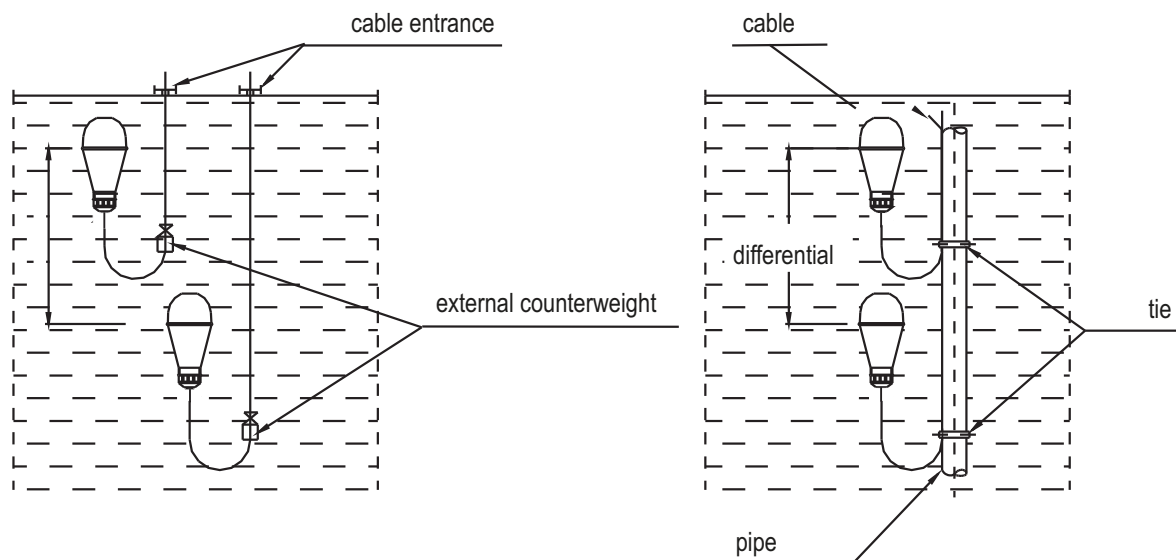
**Contact Form** \_\_\_\_\_

A = n/o  
B = n/c  
C = c/o

**Cable length in metres:**  
Blank = 5M standard

**Cable covering:**  
Blank = PVC  
U = Polyurethane  
W = WRAS approved  
(see MS WRAS.pdf)

## Installation



## Wiring Detail

Contact Form	Contact Type	Wires	
A	Normally open	Brown/Black	
B	Normally closed	Brown/Blue	
C	Changeover	Brown/Black	Normally Open
		Brown/Blue	Normally Closed

Note. "Normally" means "No Liquid Present"