

# Product SPECIFICATION SHEET

MER30/5

## DESCRIPTION

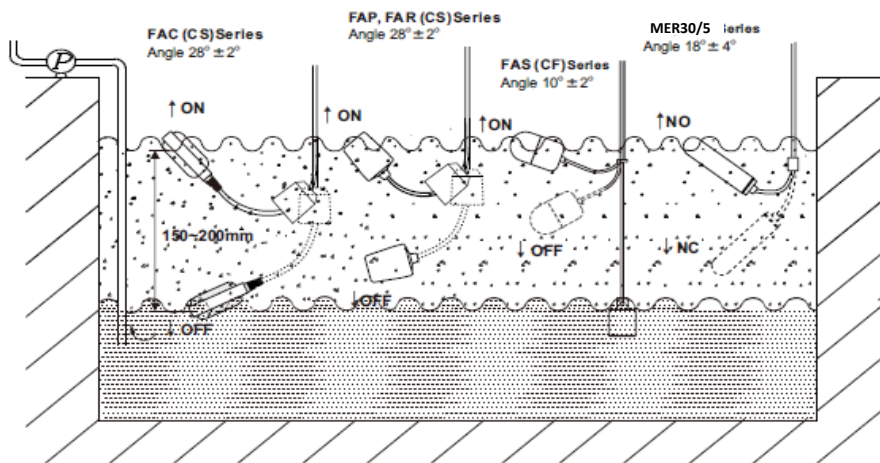
The Float Level Switch is made from chemical resistant polypropylene. It is durable, low-cost, and specially designed to assist with long range and multiple point level detection in liquids. It is also suitable for tanks containing pumps and granular solutions.

## APPLICATION

MER30/5 Cleaner water, and installation with smaller process connections. It is suggested to apply Reed Switch contact models in PLC or DCS control.

## WORKING PRINCIPLE

The Cable Float Level Switch is structured by using either micro switches proximity switches or reed switches to control the contact. It's user-friendly design is ideal for level measurement. The switches will transmit an ON or OFF contact signal output when the float rises and turns upwards. The switch contains a metal ball that can slide as the float position changes. For different water or solution temperatures, different float materials are available for selection. Plastic and stainless steel switches are the most common. The cable float level switch can not only be used in clear liquids but also can be used in granular liquids. Long distance detection points and multi-point contacts are also available. Cable float level switches can be applied in all water management, petrochemical, chemical industries. Other uses include: air-conditioner systems, drainage systems, most tanks or containers with level switch requirements.



## BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

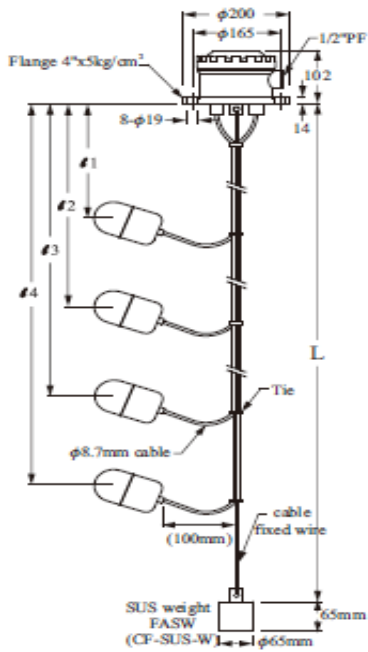
## NATIONAL CALL CENTRE

Sales	010 202 3400
Technical	010 202 3500

[www.acdc.co.za](http://www.acdc.co.za)

# Product SPECIFICATION SHEET

MER30\_5



Dimensions (Unit:mm)		
Model	MER30/5 Bar Type	
Switch	Reed Switch	
Float material	P.P.	
Cable spec	5m PVC Cable 0.75mm <sup>2</sup> x3C	Neoprene Cable 0.75mm <sup>2</sup> x3C
Contact rating	Max 5A	
Contact mode	N.O	
Operating temp.	-0°C-60°C	
Specific gravity	0.8	
Weight approx.	115 ± 2g/1M Cable	
Pressure	4.5 kg/cm <sup>2</sup>	
Voltage	Max 250VAC	
Isolation resistance	Min 100 MΩ	
Contact resistance	Max. 100mΩ(N.O), Max. 150mΩ(N.C, SPDT)	
Actuation angle	Up 18° ± 4° / Down 3° ± 3°	
Protection	IP68	

**BRANCH CONTACT DETAILS**  
 Johannesburg 010 202 3300  
 Germiston 011 418 9600  
 Cape Town 021 510 0710  
 Pinetown 031 700 4215  
 Riverhorse 031 492 4800

**NATIONAL CALL CENTRE**  
 Sales 010 202 3400  
 Technical 010 202 3500  
[www.acdc.co.za](http://www.acdc.co.za)