

# Techtrol Automation Pump System - TAPS

A reliable & economical solution to control pump operations and monitor liquid level in the tank. The system TAPS is offered with Techtrol level switches.

## Construction & Operation :

The system consists of level switches wired to control panel. Two switches are installed on overhead tank (OH) for high and low level detection (pump on-off) and one switch for low level detection (dry run protection) in sump. The type of switches, either conductivity or cable suspended tilt switches can be selected to suit your application.

After installing and wiring the switches to the control panel, switch on the supply. The control panel will automate the pump on-off operations as under.

Pump starts automatically when liquid level in OH tank falls below low level and stops when liquid level reaches at high. However, when sump tank is empty, pump will not operate and thus provides dry running. During system failure, the panel can be put in 'Manual mode' to operate the pump manually.

Control panel with customised logic are also designed and manufactured to suit special applications.

## Salient Features :

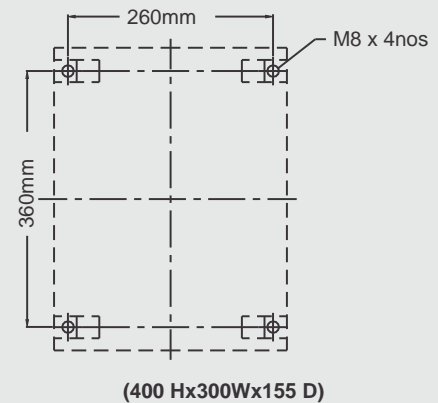
- ☑ Single or Three phase motor DOL starter
- ☑ Pump control for single or multiple OH tanks (max 5)
- ☑ Pump protection through MPCB & SPP
- ☑ Dry Run protection for sump
- ☑ Auto /Manual selection mode for pump control
- ☑ Pump selection mode for 'Stand by' pump
- ☑ Hooter for 'Sump Empty' with reset switch (optional)

## Specifications :

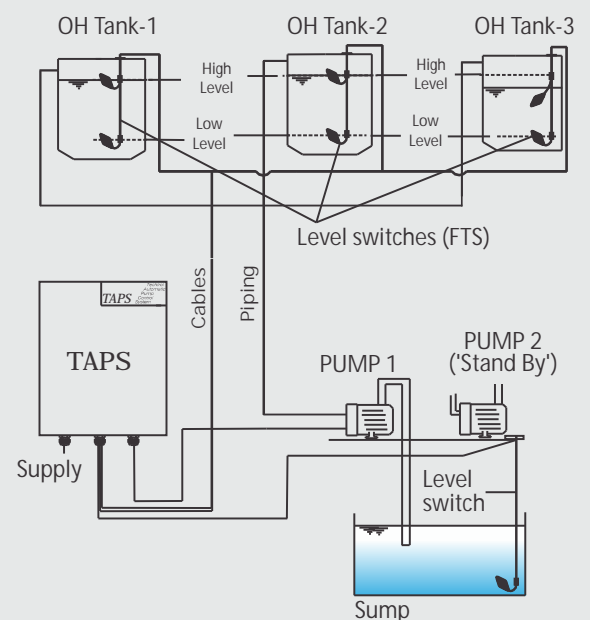
Enclosure MOC	: CRCA powder coated
Dimensions (mm)	: 400 (H) x 300 (W) x 155 (D)
Pump Rating	: 1Ø upto 2HP or 3Ø upto 5HP
Indication Lamps	: 'Power on', 'Pump on', 'Pump off' 'OH Tank Full' (common), 'Sump Empty'
Protection for panel and Pump	: Through MPCB & SPP - 3Ø Through MCB - 1Ø
Auto/Manual operation	: Through selector switch
Level sensors	: Cable float switch (FTS) or Conductivity level switch (CNS)
Special features	: 1) Pump selection switch 2) Hooter (Optional)



## Mounting Dimensions



## Techtrol Automation Pump System



Tilt type

Conductivity type

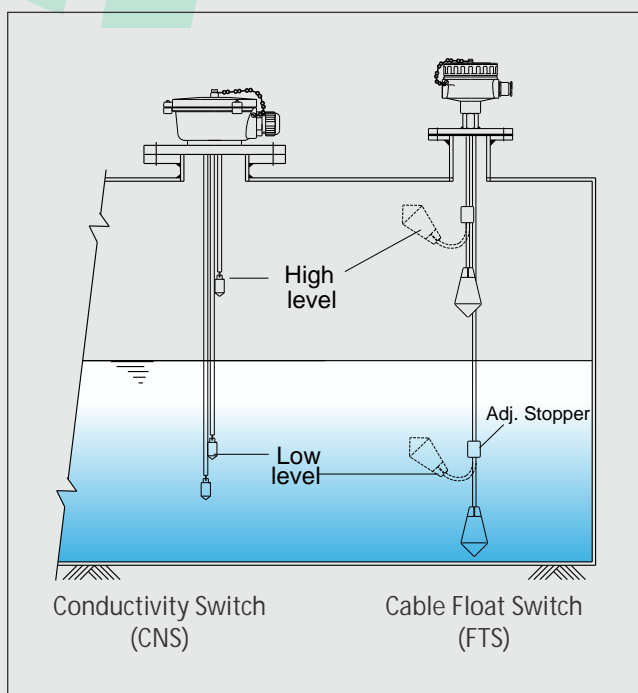


B Type



Suspended

Installation of Switches :



Model Identification :

	TAPS
Pump Configuration & Rating	
1 W x 1Ø	1
1 W x 3Ø	2
(1 W x 1S) x 3Ø	3
Others	0
Special Features	
W/O	W
Hooter	H
Tank Configuration	
One Sump	A
One Sump x One OH Tank	B
One Sump x Two OH Tanks	C
One Sump x Three OH Tanks	D
One Sump x Four OH Tanks	E
One Sump x Five OH Tanks	F
Others	O
Level Switch Types	
Cable Suspended Tilt Switch	F
Conductivity Switch	C
Others	O

(Refer catalogue of CNS/FTS for selection)

\*All dimensions in mm except specified

Applications :

Water & Waste Treatment Plant, Sewage Treatment, Pharmaceutical, Building and Hotel Automation

Ordering Information :

Model No along with Service liquid, its Sp. gr, Op. Temp & Pressure, Tank dimensions and System Logic.

