

WATER DETECTION SYSTEM

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Leong Meng Constructions Pte Ltd
(201527747C)

INTRODUCTION

Our product is specially designed for industrial and commercial usage to prevent damage to property from water leaking.

Detection sensors are designed to provide early detection of water source to prevent damage from water leaks and spills around wet pantry, plumbing pipe burst, sanitary piping clogged, air-conditioning FCU drain pan clogged and data centers.

TECHNICAL SPECIFICATION



CONTROL PANEL

Power	220-240AC
Size	215mm x 150mm x 110mm
LED indicator	Green (Power On), Red buzzer (Water leaking)
Function	Cut out incoming water supply, cut out pump power supply, pump water Hi-Level alarm
Relay output	2 pole dry contact signal (Normally open & Normally Close)



WATER POINT SENSOR

Type	Spot water detection probe
Power	12VDC or 24VDC
Output Rating	Normally close relay dry contact 12VDC or 24VDC, 1A
Sensing Height	1mm to 6mm (adjustable)
Dimension	24 (h) x 44mm (diameter)
Weight	120g
Enclosure	Chrome plate, brass material
Cable	4-core (2 power, 2 dry contact), standard cable length (3 meters)
LED indicator	Green (Power on), Red (Water leak detected)

HI LEVEL FLOAT SWITCH



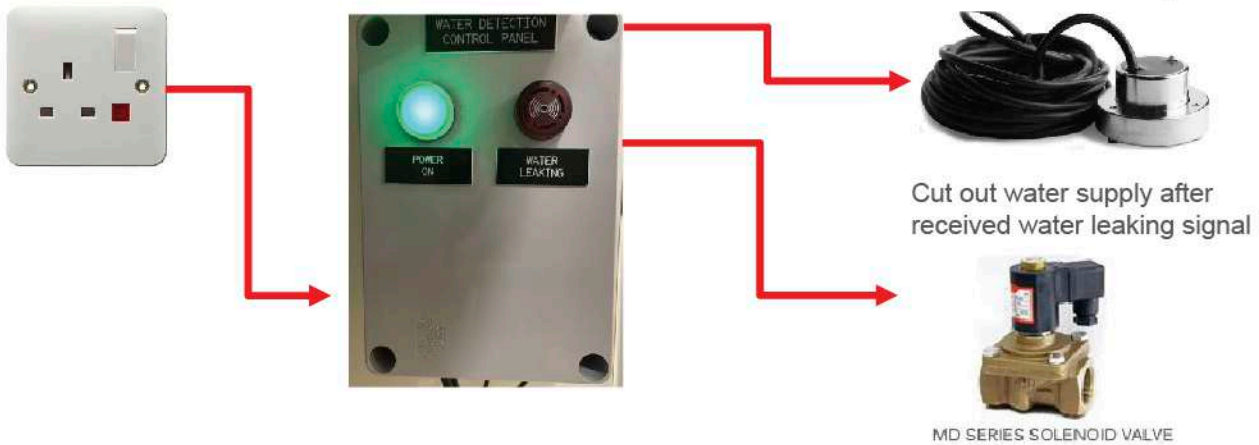
Type	High or Low level float switch
Power	0 voltage
Output Rating	Normally close relay dry contact 12 VDC or 24VDC, 1A
Material	Stainless Steel 304
Cable	2-core (2 dry contact), standard cable length (300mm)

SCHEMATIC DIAGRAM



BASIC FUNCTION

DESIGN 1



BASIC FUNCTION WITH HI-LEVEL FLOAT SWITCH

DESIGN 2





REFERENCE OF SITE INSTALLATION



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