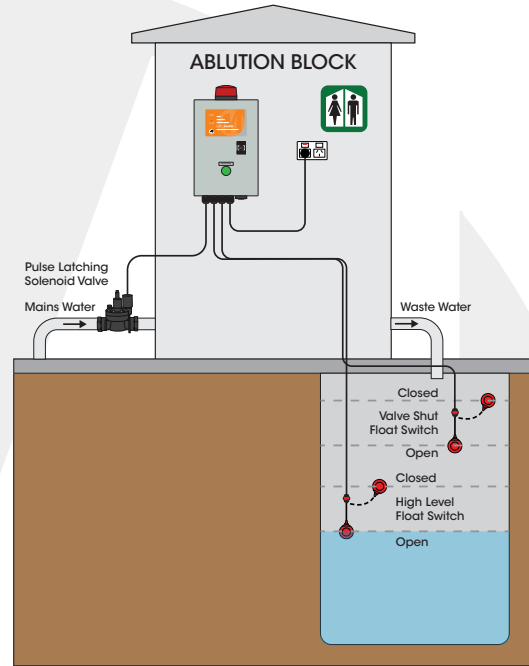# HIGH LEVEL ALARM - VALVE SHUT-OFF

FPC-12676 - METAL ENCLOSURE

MATelec Australia's Liquid Level Alarm is designed to provide warning indication and alarm when a water storage tank is full. Housed in a robust powder coated metal enclosure, the alarm features audible and visual alarms and a keypad interface with status indicator lights and alarm mute button. Ideal for use in applications where the water being discharged from an ablution must be pumped away, the Valve Shut-Off version features an output for a pulse latching solenoid valve, shutting off water supply when the outfall tank is too full, to prevent overflowing.

HARDWARE FEATURES

Enclosure:
- IP54 rated, powder coated mild steel enclosure with removable gland plate

Protection:
- Low voltage control and input circuitry
- Din rail mounted terminal connections

Control & interface:
- Visual (strobe) and audible (buzzer) alarms
- Level alarm keypad interface:
   - Indicator lights for power on, level alarm
   - Alarm mute/reset/test button
- Indicator light for valve open
- Shut-off controller PCB control module with dipswitches for adjusting alarm auto silencing and reset functions

Inputs:
- Single phase (230Vac) power supply
- 2x digital 12Vdc inputs for high level float switches

Outputs:
- BMS volt free output for common fault (NO & NC)
- 12Vdc pulse latching output for solenoid valve

Included with panel:
- 10 Amp 3 pin 1m power supply lead
- 2x 9006 float switches with 10m cable
- 25mm female/female 12Vdc pulse latching solenoid valve

FUNCTIONS

- **High level alarm -** When the first float switch closes, the visual alarm will activate to warn of rising level in the tank/pit
- **Valve shut-off -** If the water level continues to rise and the second float switch closes, the audible alarm will activate and the controller will pulse close the valve, ensuring no further mains water is used, to prevent the level in the outfall tank from rising further.
- **Power failure -** In the event of mains power failure, the valve will be pulse closed
- **Alarm reset -** The alarm can be configured to auto reset, allowing normal operation to resume once the high level has cleared, or latching, requiring manual reset before operation can resume
- **Auto-silencing alarm -** If not muted, the buzzer will silence after 5 minutes (this feature can be disabled if a continuous alarm is required)

HIGH LEVEL ALARM - VALVE SHUT-OFF - METAL ENCLOSURE

Code	Description	Enclosure Size
FPC-12676	High Level Alarm - Valve Shut-Off - Metal Enclosure	300x200x150mm