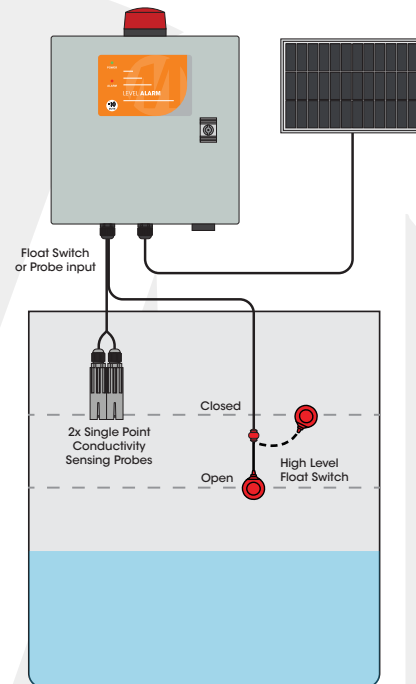# LIQUID LEVEL ALARM - SOLAR POWERED

FPC-12658

MATelec Australia's Liquid Level Alarm is designed to provide warning indication and alarm when a water storage tank is either empty or 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. The Solar Powered version includes includes a solar panel for power supply in applications where mains power is unavailable.

Float Switch
or Probe input

Closed

2x Single Point
Conductivity
Sensing Probes

Open

High Level
Float Switch

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
- Level alarm PCB control module
- 12V 1.3Ah battery and solar charging regulator

Inputs:
- Single phase (230Vac) power supply
- Digital 12Vdc input for float switch or conductivity probes

Outputs:
- BMS volt free output for common fault (NO & NC)

Included with panel:
- 10 Amp 3 pin 1.5m power supply lead
- 5W solar panel and mounting brackets

FUNCTIONS

- **Level alarm -** Provides warning indication and alarm when a water storage tank is empty or full
- **Auto-silencing alarm -** If not muted, the buzzer will silence after 5 minutes, then sound briefly every 5 minutes (this feature can be disabled if a continuous alarm is required)
- **Battery backup -** Allows the unit to operate for approximately 4 days without sunlight, or 10 hours with alarm activated
- **Low voltage cut-out -** The unit will switch off if battery voltage drops too low, to prevent the battery from going completely flat

LIQUID LEVEL ALARM - SOLAR POWERED

Code	Description	Enclosure Size
FPC-12658	Liquid Level Alarm - Solar Powered	300x300x200mm

V1.1   Specifications are subject to change without notice | Images are a guide only and may differ from actual product