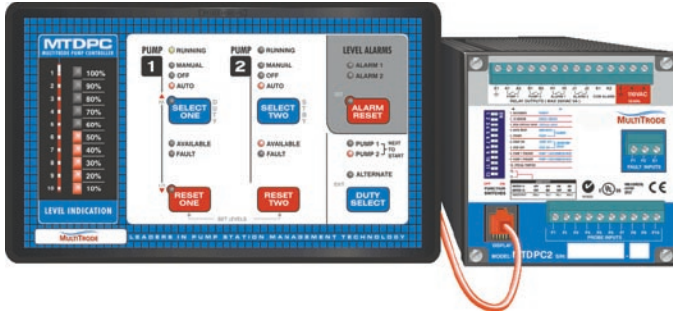


# MTDPC / MTPC

## - Basic Two Pump Controller

The MTDPC integrates all basic control functions into one panel – with setpoints for two pumps with alternation, a single fault input for each pump, liquid level simulation – so you can check pump and alarm operation without waiting for the well to fill and a display and operator interface showing pump status at a glance.



The MTDPC pump controller was designed for small sullage pits or water pumps where basic control is required. Simple and low cost, the MTDPC has a variety of applications in effluent and stormwater pits, sullage pits, water tanks, car park pits, wash down pits and basement sumps.

Anywhere you require simple to use, one off control, the MTDPC will do the job efficiently and reliably at a price that matches the need.

The MTDPC simplifies and reduces the cost and size of control panels, yet still delivers a host of functions that are easy to use:

- Level, pump and fault status indication
- Pump mode selection and alternation
- Flashing alarm outputs (selectable)
- Level simulator to test the system
- Flashing and static alarm output
- Sensitivities for a wide range of liquids
- Simple level configuration via the keypad
- Charge and discharge modes
- Operates with multi-sensor or single probe and ball floats

# Specifications

Outside the USA the product is called the MTPC

### Mode of Operation:

Charge/ Discharge (Fill or Empty) Selectable via function switch  
Pump Alternation Auto or Fixed: Selectable via Keypad

### Level Sensing Probe Inputs:

Number of inputs 10  
Output voltage 2.5VAC Nominal (open circuit)  
Output current 0.8mA max (per sensor)  
Sensitivity settings 1k, 4k, 20k and 80k Ohm Via function switch  
Max cable length Probe cable capacitance compensation up to 3281ft (1km)

### Buttons:

Pump Mode (Auto / Off / Manual)  
Fault Resets Pump 1, 2 and Alarms  
Level settings and simulation (see manual)  
Pump mode selection and alternation

Fault Input: Critical (Lockout) or Operated by voltage  
Non-Critical (Auto Reset) free contact (Selectable via function switch)  
One fault input per pump

### Relay Outputs:

No. of relay outputs 2 pump N/O, 2 alarm (steady or flash) N/O  
1 common alarm N/O  
Relay contact rating 250VAC 5A Resistive, 2A Inductive  
Relay contact life 300,000 @ 2A Operations

### Display:

LEDs Hi intensity (Red & Green)

### Physical Product:

Controller  
Dimensions 3 3/4"Hx3 3/4"Wx5 11/16"D (Inches)  
95hx95wx145d (mm)  
Material Aluminium and Polycarb  
Mounting DIN Rail Mounted  
Terminal size 2 x 13 AWG / 2.5mm<sup>2</sup>  
IP Rating IP 20  
Keypad  
Dimensions 4 1/8"Hx6 7/8"Wx1"D / 105Hx175Wx24D  
Material Polycarbonate  
Mounting Panel Mounted  
IP Rating IP 66 (when correctly mounted with gasket)

### Power Supply:

Supply voltage AC MTDPC 3 110VAC nom. 50/60Hz  
MTDPC 2 240VAC nom. 50/60Hz  
Power Consumption 6VA max

### Environmental Range:

Operating Temp. -10° to +60°C  
+14° to +140°F  
Humidity 90% non condensing



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