



**EMITTER**  
ELECTRONICS  
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# MMX PCU-WPG

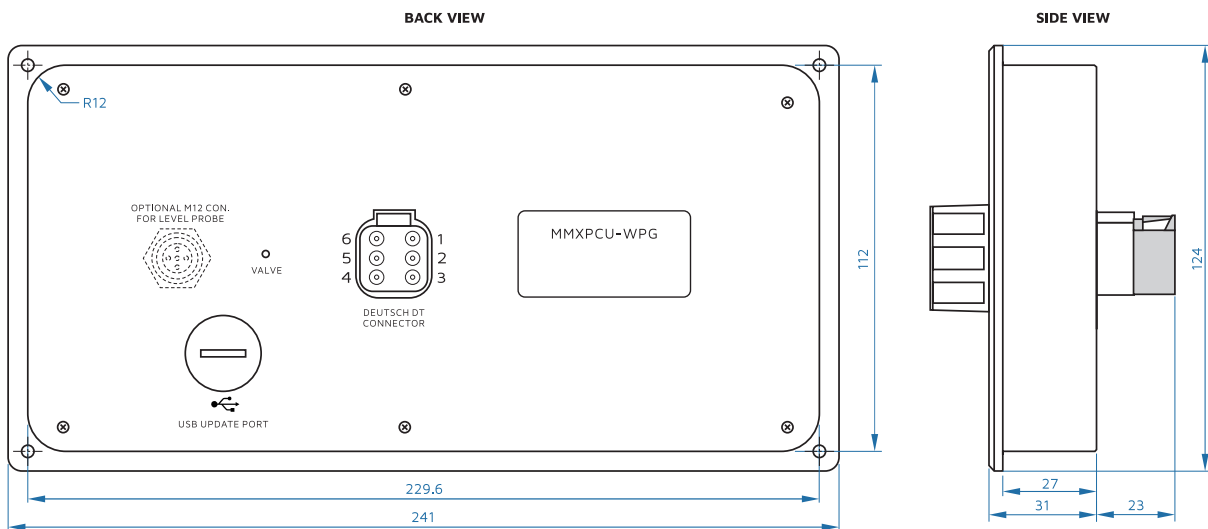


Icons shown on this keypad are for visual demonstration only.

## Features and Benefits

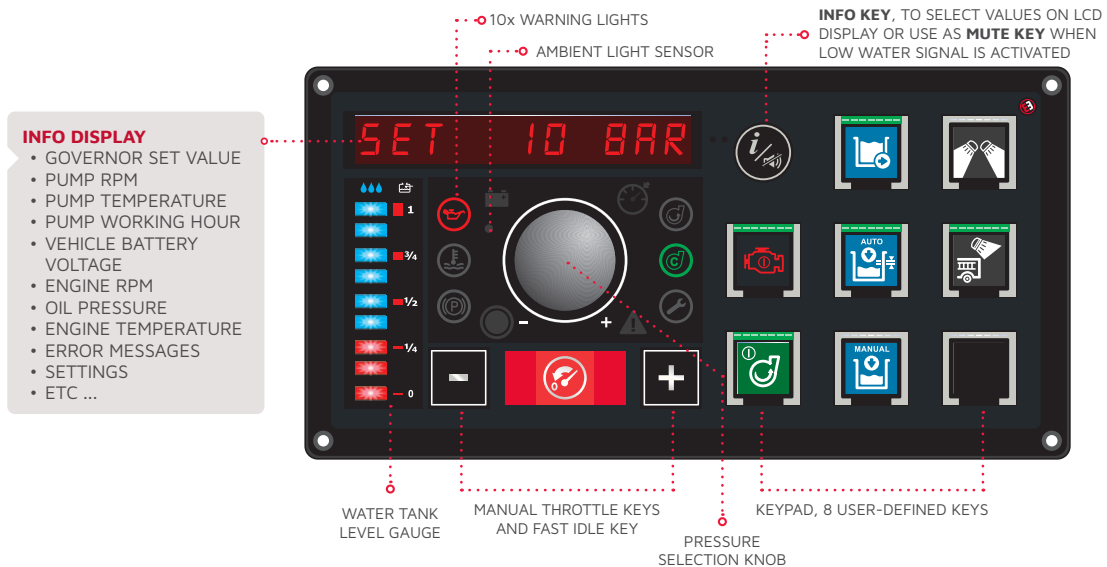
- 1 Pressure Governor With Cavitation Warning
- 2 Alphanumeric Super Bright Led Display
- 3 Integrated Water Tank Level Gauge
- 4 Integrated Keypad - 12 Keys
- 5 Integrated 10 Warning Lights
- 6 Selection of Pressure by Rotary Knob - Encoder
- 7 Acoustic Signal - Integrated Buzzer

The **MMX PCU-WPG** is an electronic Pump Control Unit with an integrated pressure governor, water tank level gauge, keypad, warning lights and super bright alphanumeric LED display. It can also be used to control other vehicle systems such as valves, lighting, display engine data and water pump data, display pump warning messages as cavitation temperature, etc. The main function of PCU is Pressure Governor which allows automated regulation of the engine RPMs according to the pressure fluctuations in the pump. The automatic pressure regulation is turned ON by turning the rotation switch - encoder.



The integrated keypad is programmable. Each key can be configured to operate as a switch, push button or both as a special feature. Key label graphics are customizable and coloured

according to function groups for easy recognition. Unused keys can be screened off with a dark label.

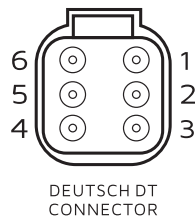


## Connection

### CONNECTION Deutsch DT06-6S

#### PIN DESCRIPTION

1	BATTERY + (*15")
2	CAN L
3	CAN L, int. shorted to PIN 2
4	CAN H
5	CAN H, int. shorted to PIN 4
6	BATTERY -



## Specifications

POWER	
<b>Supply Voltage</b>	8-32 V DC
<b>Current</b>	1 A maximum
<b>Electrical Protection</b>	overvoltage, transients, reverse polarity, load dump
INTERFACES	
<b>CAN</b>	1 x CAN
<b>CAN termination</b>	120 ohm, DIP switch
<b>USB</b>	1x USB 2.0, for firmware update
FEATURES	
<b>Pressure governor</b>	automatic pressure regulation with cavitation warning
<b>Display</b>	alphanumeric super bright LED display, 11 digit
<b>Warning lights</b>	4 red, 4 amber, 2 green, total 10 LEDs
<b>Tank Level Gauge</b>	1x, blue/red LED
Indicator increments	1/8
<b>Keypad</b>	8 soft keys (programmable) + 4 hard keys (pre-defined)
Signal Indicator	super bright green LED bar
Icons	freely selectable icons
Key Design	RIM-embossed keys with tactile feedback, operating force 8N, white backlit icons
Operating Life	>250.000 cycles
KEY dimension	23 x 23 mm
<b>Rotary Knob</b>	Encoder 16 pos. / 360° with push button
<b>Day/Night operation</b>	automatic – integrated light sensor
<b>Acoustic Signal</b>	Integrated Buzzer 100 dB

ENVIRONMENT	
<b>IP Class (IEC529)</b>	IP67
<b>EMC Conformity</b>	EN61000-6-2 noise immunity EN61000-6-4 radiation of interference
<b>Temperature Range</b>	storage -40° to +85°C (-40° to 185°F) operating -40° to +85°C (-40° to 185°F)
ENCLOSURE	
<b>Housing Material</b>	Aluminium
<b>Mounting</b>	in-dash with 4 screws M3 or 2.9 mm tapping screws
<b>Matting Connector</b>	Deutsch DT06-06S
SIZE AND WEIGHT	
<b>W x H x D [mm]</b>	241 x 123 x 38, without matting connector
<b>Weight</b>	1 kg

## Product Code

<b>MMPCU-WPG</b>	Pump control unit with pressure governor, water tank level gauge, keypad, warning lights
<b>MMXPCU-W</b>	Pump control unit with water tank level gauge, keypad, warning lights
<b>For more options please contact the supplier.</b>	



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