

PUMP CONTROL UNIT

PCU-WKPG



Costumizable
key icons



KEY FEATURES

- + **Pressure Governor** With Cavitation Warning
- + Alphanumeric **Super Bright Led Display**
- + Integrated **Water & Foam Tank Level Gauge**
- + Integrated Keypad - **18 Keys**
- + Integrated **10 Warning Lights**
- + Selection of Pressure by **Rotary Knob** - Encoder
- + **Acoustic Signal** - Integrated Buzzer

PRECISION PRESSURE CONTROL WITH ADDITIONAL CONTROL KEYS

The **PCU-WKPG** 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.

SPECIFICATIONS

POWER

Supply Voltage 8-32 V DC

Current 1.2 A maximum

Electrical Protection overvoltage, transients, reverse polarity, load dump

INTERFACES

CAN 1x CAN

CAN termination 120 ohm, DIP switch

USB 1x USB 2.0, for firmware update

FEATURES

Pressure governor automatic pressure regulation with cavitation warning

Display alphanumeric super bright LED display, 11 digits

Warning lights 4 red, 4 amber, 2 green, total 10 LEDs

Tank Level Gauge 1x, blue/red LED

Indicator increments 1/8

Keypad 14 soft keys (programmable) + 4 hard keys (pre-defined)

Status Indicator super bright green LED bar

Icons customizable key icons

Key Design RIM-embossed keys with tactile feedback, white backlit keys, dimension 23 x 23 mm

Operating Life >250.000 cycles

Rotary Knob Encoder 16 pos. / 360° with push button

Day/Night operation automatic - integrated ambient light sensor

Acoustic Signal Integrated Buzzer 100 dB

ENVIRONMENT

IP Class (IEC529) IP67

EMC Conformity EN61000-6-2 noise immunity

EN61000-6-4 radiation of interference

Temperature Range storage -40° to +85°C (-40° to 185°F)

operating -40° to +85°C (-40° to 185°F)

ENCLOSURE

Housing Material aluminium

Mounting in-dash, with 4 screws M3 or 2.9 mm tapping screws

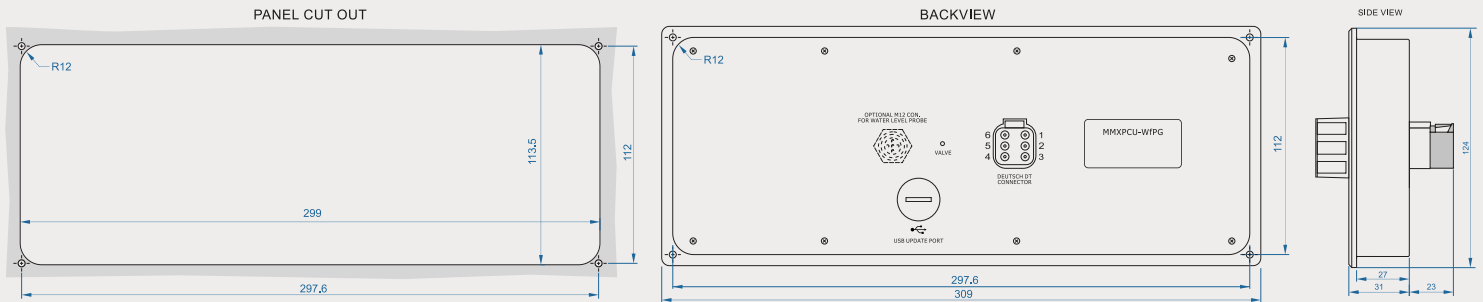
Mating Connector Deutsch DT06-6S

SIZE & WEIGHT

W x H x D 309 x 123 x 38 mm, without mating connector

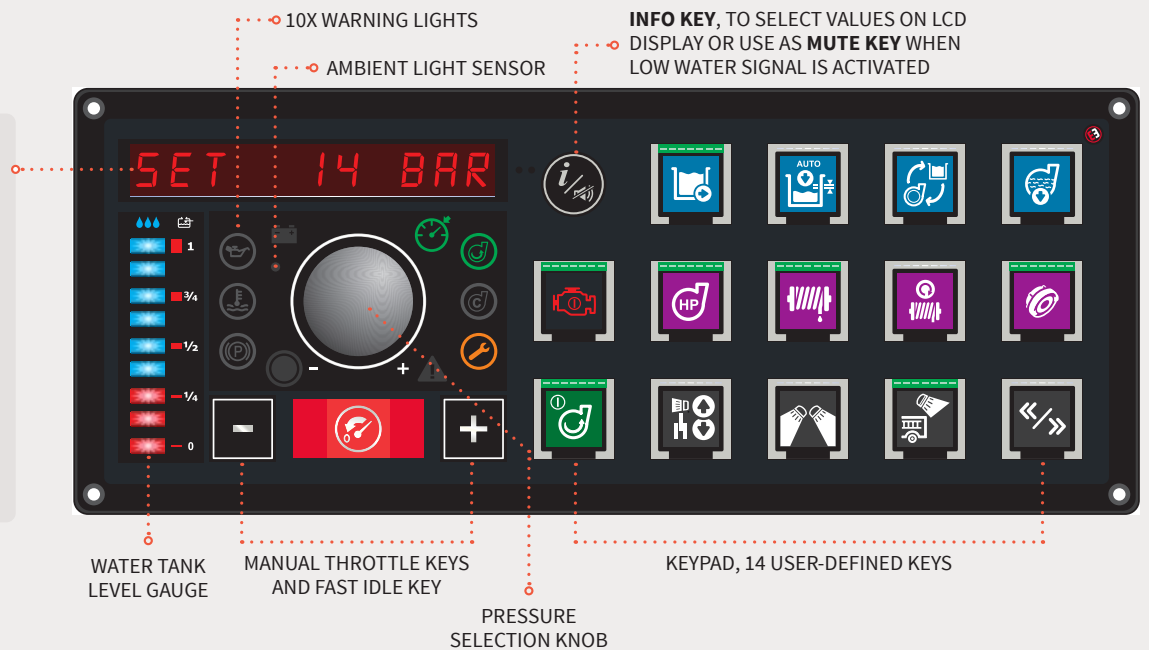
Weight 1.2 kg

DIMENSIONS



INFO DISPLAY

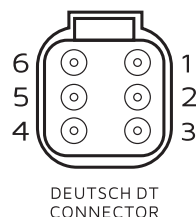
- GOVERNOR SET VALUE
- PUMP RPM
- PUMP TEMPERATURE
- PUMP WORKING HOUR
- VEHICLE BATTERY VOLTAGE
- ENGINE RPM
- OIL PRESSURE
- ENGINE TEMPERATURE
- ERROR MESSAGES
- SETTINGS
- ETC ...



CONNECTIONS

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 -



PRODUCT CODE

PCU-WKPG Pump control unit with pressure governor, water tank level gauge, keypad, warning lights

PCU-WK Pump control unit with water tank level gauge, keypad, warning lights

For more options please contact the supplier.