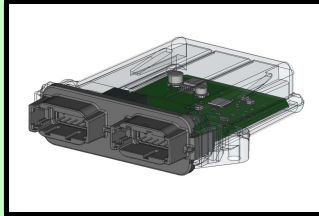


Throttle Controller Unit



▪ Throttle Controller Unit

➤ Features :

Water proof Deutsch enclosure
140 x 130 x 40 mm
350 g
IP68
-40 to +85°C

➤ Power input :

8V – 30V DC
0.15A (12V)

➤ Power output :

Relay 8A 230V AC

➤ Analog Interface :

Analog Mercury
Analog Volvo Penta
Analog custom lever

➤ Communication :

CAN bus 250 kbs 11 bits
Cyclic frame 100 ms
Data : position, buttons, ...

➤ Input Protections :

Internal electronic fuse

➤ Output Protections :

Internal electronic fuse for 5V
No fuse for 8A relay

➤ "Interface" Options :

CAN bus 250/500/1000 kbs 11/29 bits
Datalogger, blackbox
RS 485 / Profibus

➤ Cables :

CAN bus length : 20 cm
Analog interface length : 100 cm
Digital interface length : 20 cm

- The TUC is a compact and generic Throttle Controller adapter working from a 12V or 24V power supply.
- It is compliant with Volvo Penta and Mercury analog lever, and even any custom analog single or double lever.
- The device is provided in a Deutsch DTM serie enclosure, totally sealed and water proof. The interface is composed of 2 DTM connectors, grey and black 12 pins version, a standard Deutsch connector in Automotive and Marine market.
- The grey DTM connector is dedicated to power line and CAN bus interface. An additional 8A relay is included in case you need to drive and external equipment like a light or pump.
- The black DTM connector is dedicated to the lever interface with 3 analog inputs [0,5V] and 4 digital totally protected inputs.
- The embedded software is able to detect a cable failure or any measurement trouble that would create hazardous power setup.
- By default the CAN bus is a 11 bits 250 kbs rate with no terminal impedance, and can be adapted to your needs. Ask for the appropriate baurate when you place a PO.



- This TCU is software compliant with the other Controller Unit of the Future Green FGUNIT series. Each device is setup with a unique ID in the world and a special crypted number stored in the device so that a Vessel Controller Unit is able to detect it automatically.
- A windows software is used to setup the TCU : CAN ID specific value, analog calibration, forward/backward percentage tuning, 0 position detection, button enabling, ...