



MCU Master Control Unit

The NXT Master Control Unit is an essential component of a NXT installation and provides multiple functions. It is the central processor that drives the system, provides the computing power, intelligence and decision making. In addition there are various interfaces for connection to external devices.

The master Control Unit (MCU) is a NMEA 2000 device and talks to all of the other system components via the NMEA2000 network.

The MCU both stores and executes the configuration files for the installation holding data for every EmpirBus unit present. Should any unit or membrane panel need to be replaced it is the MCU that distributes the specific data to the replacement. The base address of the new component has been entered.

Standard Microsoft drivers are utilised for connecting the MCU to the PC, no drivers required.

The GSM interface provides possibilities for interaction with the system utilizing SMS.

A three-digit display provides displaying parameters and messages. Touch buttons allow new settings to be entered.

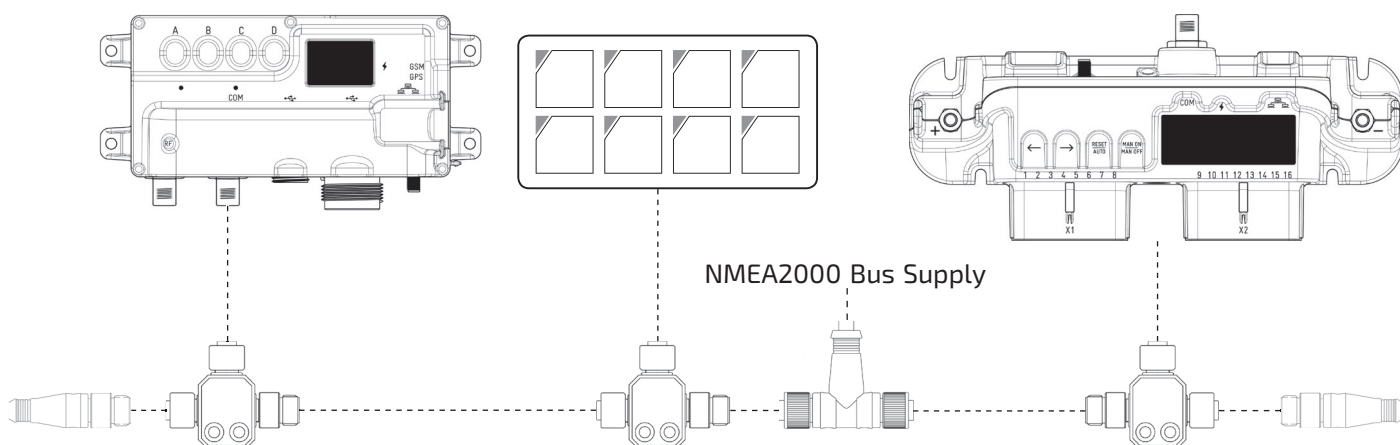
MCU – Master Control Unit

Features

- NMEA 2000 Master Control Unit
- PC Interface, USB mini socket
- Integrated GSM module
- Integrated audible buzzer
- IP65



Connection examples



Specifications

Communication:	CAN-bus NMEA 2000 GSM*
Power supply:	Power consumption max/average 300mA/0,25mA Supply voltage 9–32VDC
Connector:	
NMEA 2000	Micro 5pin M12 Male
Power supply	Micro 5pin M12 Male
USB Slave	Mini USB
Sim Card	Sim Card Holder (Mini)
Antenna	SMA Female

Ambient temp.:	-20°C to +55°C
Enclosure:	Ingress Protection IP65
Dimensions:	173 x 89 x 32,5 mm
Regulation comp.:	ABYC, RoHS, CE, RCM
Weight:	0,2 kg

* Optional