

## **ET2001TX**

Made to raise the basic commands of a rudder (forward, backward, emergency, analog throttle, horn, key, speed reduction, brake1 and brake2) and then serialize the information and send them through a cable with 3-pin to ET2001RX then interface with the inverter.

*Features of the board are:*

8 digital inputs 5V

2 Outputs

1 line auxiliary

Microcontroller STMicroelectronics ST6 8 bit

BUS and power supply managed by board ET2001RX

PCB dimensions 57 x 40.5 mm

weight 20g

### **J1 connector Minifit male 90° 12 poles**

Pin 1 IN7

Pin 2 GND

Pin 3 OUT1

Pin 4 AUX

Pin 5 OUT0

Pin 6 IN0

Pin 7 IN6

Pin 8 IN5

Pin 9 IN4

Pin 10 IN3

Pin 11 IN2

Pin 12 IN1

### **J2 connector Weidmuller male 90° 3 pole**

Pin 1 +V & BUS

Pin 2 AUX

Pin 3 GND

The inputs are negative logic

open contact to GND, logic level 1=+5V

closed contact to GND, logic level 0=GND

*The outputs are logic open*

load connected between the + V battery and the output is open to GND

load connected between the + V battery and the output is closed to GND

The output **OUT0** depends on the input **IN0**

The output **OUT1** depends on the input **IN7**

The input **IN7** takes priority over **IN0** but not output **OUT0**

### Tabella Logica per ingressi **IN0** e **IN7**

Logic table for inputs **IN0** and **IN7**

<b>IN0</b>	<b>IN7</b>	<b>OUT0</b>	<b>OUT1</b>	<b>CMD0</b>	<b>CMD7</b>
0	0	0	0	0	0
1	0	1	0	1	0
0	1	0	1	1	1
1	1	1	1	1	1

The inputs from **IN1** to **IN6** are all independent

Logic table for inputs from **IN1** to **IN6**

<b>INx</b>	<b>CMDx</b>
0	0
1	1