



## MAIN FUNCTIONS

CABIN CONTROL

LIGHTING CONTROL

IMPLEMENT  
CONTROL

SPECIAL FUNCTIONS

HMI

ENGINE SPEED

## CHARACTERISTICS

- Available as HMI Human Machine Interface (CAN Bus)
- Customized design
- Customized Functions
- Multifunctions
- One Wire Communications
- Integrated or remote I/Os (ECU)
- Telemetry through additional module
- Functions Hour meter
- Customer logo on panel (optional)
- Interface for Bluetooth or Wi-Fi module
- Option with 3 knobs + 10 buttons, 2 knobs + 12 buttons or 15 buttons
- DIN Radio Size

## CONFIGURATION OPTIONS

INPUTS: Analogs and Digitals

OUTPUTS: Negative Digitals or through external ECU: Analogs, Positive Digitals, Bridge (flap motor) and PWM.

COMMUNICATION: ECU Module or Telematics Module.

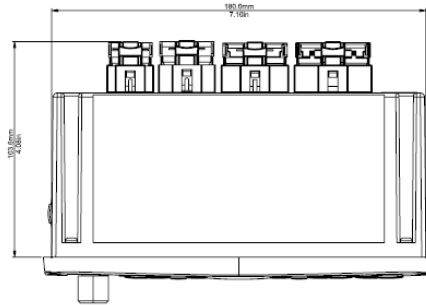
## AVAILABLE FOR



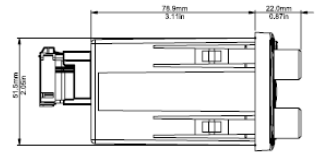
# TECHNICAL DATA



Approximated weight: 250g



PANEL CUTOUT:  
1 DIN 75490 RADIO SIZE



## CONNECTORS



MCP 9 way  
Part Number: 8-968971-1  
Terminal – PN: 1-968851-1  
Manufacturer: Tyco Electronics



MCP 12 way  
Part Number: 8-968972-1  
Terminal – PN: 1-968851-1  
Manufacturer: Tyco Electronics



MCP 15 way  
Part Number: 8-968973-1  
Terminal – PN: 1-968851-1  
Manufacturer: Tyco Electronics



MCP 18 way  
Part Number: 8-968974-1  
Terminal – PN: 1-968851-1  
Manufacturer: Tyco Electronics

## TECHNICAL DATA

OPERATING VOLTAGE	12 VDC / 24 VDC
OPERATING VOLTAGE RANGE	10 VDC to 30 VDC
MAXIMUM VOLTAGE	32 VDC during 5min
MAXIMUM CURRENT PER OUTPUT	500mA
OUTPUT SHORT-CIRCUIT	Protected *
REVERSE POLARITY	Protected *
OPERATING TEMPERATURE RANGE	-40°C to +85°C / -40°F a +185°F (Extended or normal temperature options)
STORAGE TEMPERATURE	-40°C to +85°C / -40°F to +185°F
TEMPERATURE SENSOR	NTC (other types sensor consult technical team)
PROTECTION DEGREE	IP 54
COMMUNICATION	One Wire / CAN Bus
MAXIMUM CONSUMPTION CURRENT	120mA @ 12VDC / 70mA @ 24VDC **
CONSUMPTION IN STAND BY	60mA @ 12VDC / 40mA @ 24VDC **

\* According to product configuration. \*\* Consumption may vary according to customer specifications. We keep the right to update or change information regarding products without prior notice.

## FUNCTIONS UNDER REQUEST



WI-FI



BLUETOOTH



CELL PHONE  
INTERFACE



CAN BUS



REMOTE I/O  
NETWORK



DATA  
LOGGER



CUSTOMIZABLE  
INTERFACES



HMI





2 KNOBS\*



3 KNOBS\*

Choose the best option for your system

EDGE 2 E 3 KNOBS   POSSIBLE CONFIGURATIONS - HARDWARE 1					
<b>PIN CN1</b>					
1	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
2	GND	OR	--	OR	--
3	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
4	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
7	POWER SUPPLY	OR	--	OR	--
8	GND	OR	--	OR	--
9	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
10	VBAT - RTC	OR	--	OR	--
11	ONE WIRE	OR	DIGITAL INPUT	OR	--
12	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
<b>PIN CN2</b>					
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H4
3	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H4
6	GND	OR	--	OR	--
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2
8	PWM PUSH PULL	OR	--	OR	--
9	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
10	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2
11	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
12	GND	OR	--	OR	--
13	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H3
14	DIGITAL OUTPUT POSITIVE 0.5A	OR	--	OR	--
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
16	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H3
17	POWER SUPPLY 5V - TRANSDUCER	OR	--	OR	--
18	GND	OR	--	OR	--

### PRODUCT CONFIGURATION



Choose the best option for your system

PIN CN1	EDGE BUTTONS CAN   POSSIBLE CONFIGURATIONS- HARDWARE 2						
1	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
2	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
3	CAN H	OR	--	OR	--	OR	--
4	GND	OR	--	OR	--	OR	--
5	GND	OR	--	OR	--	OR	--
6	CAN L	OR	--	OR	--	OR	--
7	VBAT - RTC	OR	--	OR	--	OR	--
8	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
9	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
PIN CN2							
1	POWER SUPPLY	OR	--	OR	--	OR	--
2	GND	OR	--	OR	--	OR	--
3	ANALOG OUTPUT 50mA	OR	--	OR	--	OR	--
4	POWER SUPPLY	OR	--	OR	--	OR	--
5	GND	OR	--	OR	--	OR	--
6	GND	OR	--	OR	--	OR	--
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--
8	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--	OR	--
9	ANALOG OUTPUT 50mA	OR	--	OR	--	OR	--
10	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	BRIDGE H1
11	DIGITAL OUTPUT POSITIVE 0.5A	OR	--	OR	--	OR	--
12	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--	OR	--
13	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	BRIDGE H1
14	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--
15	ANALOG OUTPUT 50mA	OR	--	OR	--	OR	--

PIN CN1	EDGE BUTTONS - USB   POSSIBLE CONFIGURATIONS - HARDWARE 3		
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	ONE WIRE
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
7	ANALOG INPUT	OR	DIGITAL INPUT
8	ANALOG INPUT	OR	DIGITAL INPUT
9	ANALOG INPUT	OR	DIGITAL INPUT
PIN CN2			
1	ANALOG INPUT	OR	DIGITAL INPUT
2	GND	OR	--
3	GND	OR	--
4	ANALOG INPUT	OR	DIGITAL INPUT
5	GND	OR	--
6	GND	OR	--
7	CAN H	OR	--
8	POWER SUPPLY	OR	--
9	ANALOG INPUT	OR	DIGITAL INPUT
10	CAN H	OR	--
11	POWER SUPPLY 5V - TRANSDUCER	OR	--
12	ANALOG INPUT	OR	DIGITAL INPUT

