

EDGE

OEM

HVAC + R

CABIN / MUX



MAIN FUNCTIONS

REFRIGERATION

CLIMATIZATION

CABIN CONTROL

MULTIPLEX

PRE-HEATER TIMER

CHARACTERISTICS

- Available as HMI Human Machine Interface (CAN Bus)
- Customizable Design
- Customizable Functions
- Multifunction
- One Wire Communication (optional)
- Function Hourmeters
- Customer Logo on panel
- Integrated or remote I/Os (ECU)
- USB interface through ECU (optional)
- Telematics through additional module
- Bluetooth and Wi-Fi Modules Interface
- Two temperature scales
- Automotive connector
- Rubber keyboard
- DIN Radio Size

CONFIGURATION OPTIONS

INPUTS: Analogs and Digitals.

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

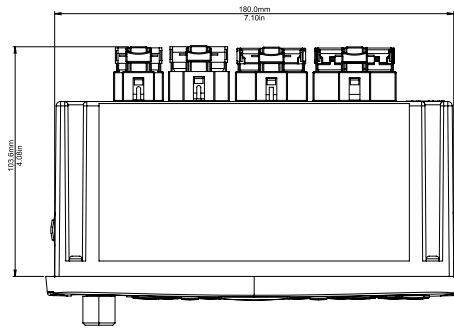
COMMUNICATION: ECU Module or Telematics Module.

AVAILABLE FOR

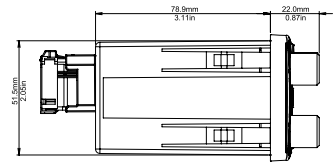




Approximated weight: 250g



**PANEL CUTOUT:
1 DIN 75490 RADIO SIZE**



CONNECTORS



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



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



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



MCP 18 ways
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 5 min
MAXIMUM CURRENT PER OUTPUT	500 mA
OUTPUT SHORT-CIRCUIT	Protected *
REVERSE POLARITY	Protected *
OPERATING TEMPERATURE RANGE	-40°C to +85°C / -40°F to +185°F (Extended or normal temperature options)
STORAGE TEMPERATURE	-40°C to + 85°C / -40°F to + 185°F
TEMPERATURE SENSOR	NTC - For other sensor types please consult with our technical team
PROTECTION DEGREE	IP 54
COMMUNICATION	One Wire / CAN Bus
MAXIMUM CURRENT CONSUMPTION	120mA @ 12VDC / 70mA @ 24VDC **
STANDBY CONSUMPTION	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					
PIN CN1					
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	--
PIN CN2					
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



WE ARE TODAY.
WE ARE TOMORROW.
WE ARE GLOBUS!



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