



MAIN FUNCTIONS

CABIN CONTROL

LIGHTING CONTROL

IMPLEMENT
CONTROL

SPECIAL FUNCTIONS

HMI

ENGINE SPEED

CHARACTERISTICS

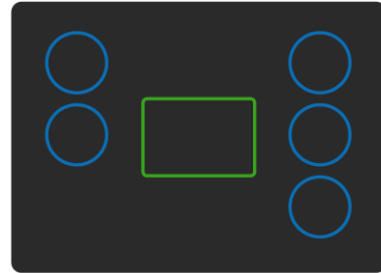
- Customizable Panel for various applications
- Communication: CAN Bus, One Wire, ISOBUS, LIN Bus or any other communication
- Customizable I/Os
- Telematics through additional module
- Diagnostics Menu (data logger)
- Metallic or plastic housing
- 7 segment LED Display
- 5 backlit buttons keyboard
- Bluetooth and Wi-Fi Modules Interface

AVAILABLE FOR



COMPACT AND POTENT CONTROL PANEL

INTERFACE POSITIONS



DISPLAY

LED DISPLAY
7 segment LED Display
Selectable temperature scale °F or °C
10 Languages



BUTTONS

5 BUTTON KEYBOARD

On/Off Function
2 button adjustments
Fresh Air

VENTILATION CONTROL
AIR CONDITIONING CONTROL



CONFIGURATION OPTIONS

INPUTS: Analog and Digital

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

COMMUNICATION: ECU Module or Telematics Module

FUNCTIONS UNDER REQUEST



WI-FI



BLUETOOTH



CELL PHONE
INTERFACE



CAN BUS



REMOTE I/O
NETWORK



DATA
LOGGER

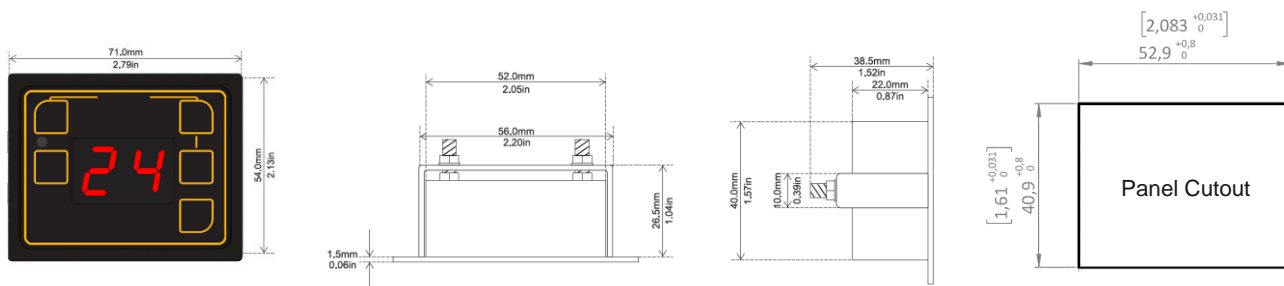


CUSTOMIZABLE
INTERFACES



HMI





Approximated weight: 120g

CONNECTORS



MINI-FIT 6 ways
Part Number: 39-01-2060
Terminal - PN: 39-00-0038
Manufacturer: Molex



MINI-FIT 8 ways
Part Number: 39-01-2080
Terminal - PN: 39-00-0038
Manufacturer: Molex

TECHNICAL DATA

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 to +185°F (Normal or extended temperature range options)
STORAGE TEMPERATURE	-40°C to +85°C / -40°F to +185°F
TEMPERATURE SENSOR	NTC (Other types under request)
FRONTAL PROTECTION DEGREE	IP 54
COMMUNICATION	One Wire / CAN Bus
MAXIMUM CURRENT CONSUMPTION	12VDC @ 20mA / 24VDC @ 25mA *
STAND BY CONSUMPTION	N/A

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

Choose the best options for your system

PIN CN1	MINI POSSIBLE CONFIGURATIONS - HARDWARE 1		
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	(*)
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	ONE WIRE
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
PIN CN2			
1	GND	OR	--
2	GND	OR	--
2	GND	OR	--
4	GND	OR	--
5	ANALOG INPUT	OR	DIGITAL INPUT
6	ANALOG INPUT	OR	DIGITAL INPUT
7	ANALOG INPUT	OR	DIGITAL INPUT
8	POWER SUPPLY	OR	--

(*) When using ONE WIRE communication you cannot use this output.

PIN	MINI POSSIBLE CONFIGURATIONS - HARDWARE 2		
1	GND	OR	--
2	GND	OR	--
3	GND	OR	--
4	ONE WIRE	OR	--
5	ANALOG INPUT	OR	DIGITAL INPUT
6	ANALOG INPUT	OR	DIGITAL INPUT
7	POWER SUPPLY	OR	--
8	POWER SUPPLY	OR	--

PIN CN1	MINI POSSIBLE CONFIGURATIONS - HARDWARE 3		
1	DIGITAL OUTPUT POSITIVE 0.5A	OR	--
2	DIGITAL OUTPUT POSITIVE 0.5A	OR	--
3	DIGITAL OUTPUT POSITIVE 0.5A	OR	--
4	DIGITAL OUTPUT POSITIVE 0.5A	OR	--
5	DIGITAL OUTPUT POSITIVE 0.5A	OR	--
6	DIGITAL OUTPUT POSITIVE 0.5A	OR	--
PIN CN2			
1	GND	OR	--
2	GND	OR	--
3	GND	OR	--
4	GND	OR	--
5	ANALOG INPUT	OR	DIGITAL INPUT
6	ANALOG INPUT	OR	DIGITAL INPUT
7	ANALOG INPUT	OR	DIGITAL INPUT
8	POWER SUPPLY	OR	--

mini

PRODUCT CONFIGURATION

PIN CN1	MINI POSSIBLE CONFIGURATIONS - HARDWARE 4				
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
PIN CN2					
1	GND	OR	--	OR	--
2	GND	OR	--	OR	--
2	GND	OR	--	OR	--
4	GND	OR	--	OR	--
5	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
6	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
7	ANALOG INPUT	OR	DIGITAL INPUT	OR	ONE WIRE
8	POWER SUPPLY	OR	--	OR	--

PIN CN1	MINI POSSIBLE CONFIGURATIONS - HARDWARE 5				
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	--
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	--
PIN CN2					
1	GND	OR	--	OR	--
2	GND	OR	--	OR	--
2	GND	OR	--	OR	--
4	GND	OR	--	OR	--
5	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
6	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
7	ANALOG INPUT	OR	DIGITAL INPUT	OR	ONE WIRE
8	POWER SUPPLY	OR	--	OR	--