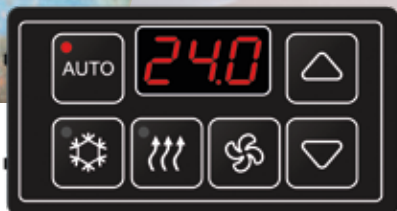


MiD





MiD

## MAIN FUNCTIONS

REFRIGERATION

CLIMATIZATION

CABIN CONTROL

MULTIPLEX

SPECIAL FUNCTIONS

## CHARACTERISTICS

- Available as HMI - Human Machine Interface (CAN Bus)
- Compact size
- Exclusive design
- Graphic 128x64px OLED Display
- Friendly interface
- Backlit buttons
- Integrated or remote I/Os (ECU)
- USB interface through ECU (optional)
- Customizable Functions
- Automotive connector
- Diagnostics Menu
- Parameter Adjustment Menu
- Two temperature scales (°F ou °C)
- Bluetooth and WiFi Modules Interface
- Function Hourmeters
- 10 selectable languages via menu

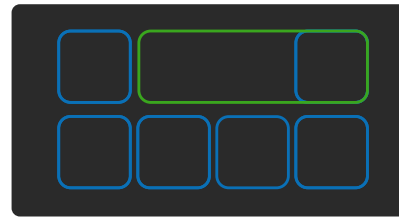
## AVAILABLE FOR





# CUSTOMIZABLE CONTROLLER COMPLETE, COMPACT, EASY OPERATION.

## INTERFACE POSITIONS



MiD

## DISPLAY

7 SEGMENT LED DISPLAY  
3 OR 4 DIGITS OR 128x64px OLED  
Selectable temperature scale °F ou °C



## BUTTONS

KEYBOARD WITH 5 OR 6 CUSTOM BUTTONS  
Custom Symbols  
Backlit  
Individual status indicators



## DISPLAY EXAMPLES

Menu



Function Pop-up



Hourmeters



Failure Description



## CONFIGURATION OPTIONS

INPUTS: Analog and Digital

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

OPTIONAL COMMUNICATION: One Wire, LIN Bus, CAN Bus, I/Os integrated remotely (through ECU), Telematics Module

## FUNCTIONS UNDER REQUEST



WI-FI



BLUETOOTH



CELL PHONE  
INTERFACE



CAN BUS



REMOTE I/O  
NETWORK



DATA  
LOGGER



CUSTOMIZABLE  
INTERFACES



HMI



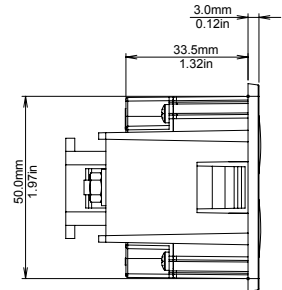
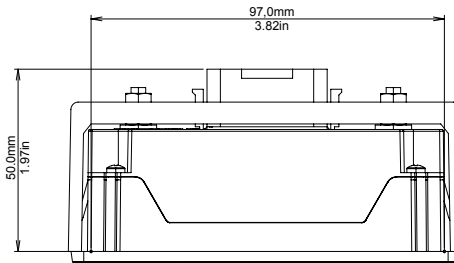
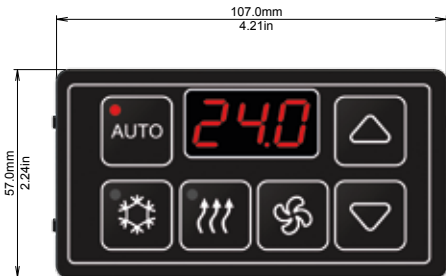
# TECHNICAL DATA



OEM

HVAC + R

CABIN / MUX



Approximated weight: 315g

## CONNECTORS



Mate-N-Lok 15 cable paths  
Part Number: 1-480710 - 0  
Terminal - PN: 350689-3  
Manufacturer: Tyco Electronics



Trident 24 cable paths  
Part Number: 192923-5950  
Terminal - PN: 192991-0086  
Manufacturer: Itt Canon

TECHNICAL DATA	
OPERATING VOLTAGE	12 Vdc to 24 Vdc
VOLTAGE RANGE	10 Vdc to 30 Vdc
MAXIMUM VOLTAGE	32 Vdc during 5mins.
MAXIMUM CURRENT PER OUTPUT	500mA
OUTPUT SHORT-CIRCUIT	Protected
REVERSE POLARITY	Protected
OPERATING TEMPERATURE	-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
MAXIMUM CURRENT CONSUMPTION	12Vdc @ 110mA / 24Vdc @ 80mA *
STANDBY CONSUMPTION	12Vdc @ 48mA / 24Vdc @ 45mA *

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



## AIR CONDITIONING CONTROL PANEL WITH OLED DISPLAY\*

- HVAC controller
- Graphic OLED display
- Backlit symbols and buttons
- Client logo on panel (optional)
- Fixation without frontal screws
- Up to 2 indication LEDs per button



## AIR CONDITIONING CONTROL PANEL WITH 7 SEGMENT DISPLAY\*

- HVAC controller
- 7 segment display
- Backlit symbols and buttons
- Client logo on panel (optional)
- Fixation without frontal screws
- Up to 2 indication LEDs per button



## REFRIGERATION CONTROL PANEL WITH OLED DISPLAY\*

- Refrigeration controller
- Graphic OLED display
- Backlit symbols and buttons
- Client logo on panel (optional)
- Fixation without frontal screws
- Up to 2 indication LEDs per button



Choose the option most adequate to your system

PIN	FOX   POSSIBLE CONFIGURATIONS - HARDWARE						
1	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
2	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--
4	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
5	GND	OR	--	OR	--	OR	--
6	GND	OR	--	OR	--	OR	--
7	POWER SUPPLY	OR	--	OR	--	OR	--
8	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	CAN H
9	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	CAN L
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
11	DIGITAL OUTPUT NEGATIVE 0.5A	OR	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
12	DIGITAL OUTPUT NEGATIVE 0.5A	OR	ANALOG INPUT	OR	DIGITAL INPUT	OR	ONE WIRE
13	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--
14	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--
15	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--



WE ARE TODAY.  
WE ARE TOMORROW.  
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