

BASIC

OEM

HVAC + R

CABIN / MUX



BASIC

BASIC
LITE

BASIC
CABIN

MAIN FUNCTIONS

REFRIGERATION

CLIMATIZATION

CABIN CONTROL

MULTIPLEX

SPECIAL FUNCTIONS

CHARACTERISTICS

- Available as HMI – Human Machine Interface (CAN Bus)
- Innovative design
- Customizable functions
- Multifunction
- Function Hourmeters
- Available in the vertical and horizontal versions
- Two temperature scales (°F or °C)
- Integrated or remote I/Os (ECU)
- Telematics through additional module
- Bluetooth and Wi-Fi Modules Interface
- Automotive connector
- One Wire Communication (optional)
- Customer logo on the panel (optional)
- USB interface through ECU (optional)

AVAILABLE FOR



TRADITIONAL AND MULTIFUNCTIONAL CONTROL PANEL. HIGH QUALITY AND LOW COST.

CHOOSE BETWEEN HORIZONTAL OR VERTICAL (I) FORMATS.



DISPLAY

DIGITAL DISPLAY
2 digits (all)
3 digits (available in the i version)
Selectable temperature scale °F or °C



BUTTONS

7, 9 OR 12 BUTTON KEYBOARD
Multiple functions at your disposal
in a single control panel
Personalized button symbols
Intelligent functions lights
Backlit



CONFIGURATION OPTIONS

INPUTS: Analog and Digital

OUTPUTS: Negative Digitals or through external ECU: Analogs, 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

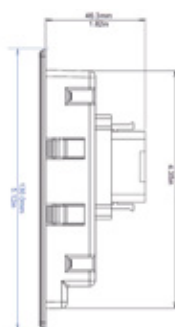


HMI



TECHNICAL DATA

BASIC
CABIN

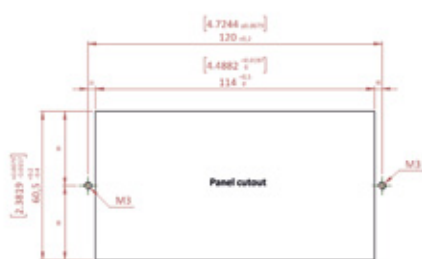
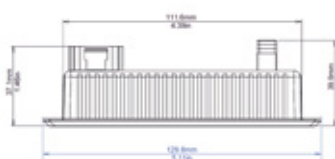


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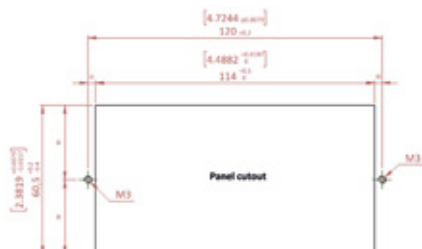
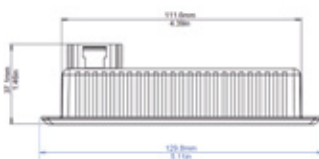
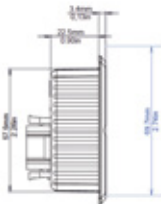
HVAC + R

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Approximated weight: 110g

CONNECTORS

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MATE-N-LOK 9 ways
Part Number: 880125 - 0
Terminal - PN: 880685-2
Manufacturer: Tyco Electronics

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POSITIVE LOCK 2 ways
Part Number: 926522 - 2
Terminal - PN: 8806456
Manufacturer: Tyco Electronics

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MINI-FIT 12 ways
Part Number: 39-01-2120
Terminal - PN: 39-00-0038
Manufacturer: Molex

TECHNICAL DATA

OPERATING VOLTAGE	12 VDC / 24 VDC
VOLTAGE RANGE	10 VDC to 30 VDC
MAXIMUM VOLTAGE	32 VDC during 5 min
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 / CAN Bus
MAXIMUM CURRENT CONSUMPTION	50mA @ 12 VDC / 55mA @ 24 VDC *
STANDBY CONSUMPTION	N/A

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

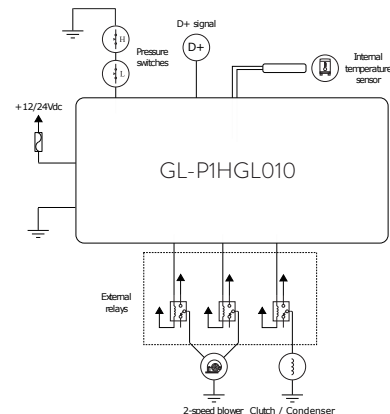


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AUTOMOTIVE AIR CONDITIONING CONTROL PANEL COOLING

GL-P1HGL010

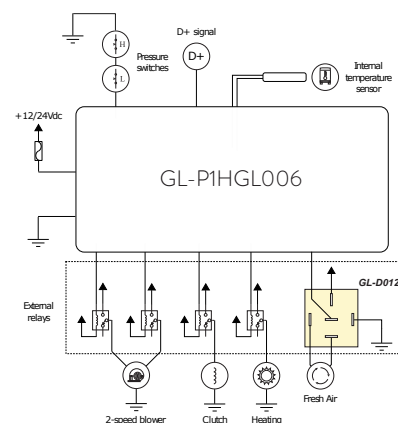
- Air conditioning (only cooling)
- 2 ventilation speeds (high and low + auto)



AUTOMOTIVE AIR CONDITIONING CONTROL PANEL COOLING, HEATING AND FRESH AIR

GL-P1HGL006

- Air conditioning (heating and cooling)
- 2 ventilation speeds (high and low + auto)
- Fresh Air



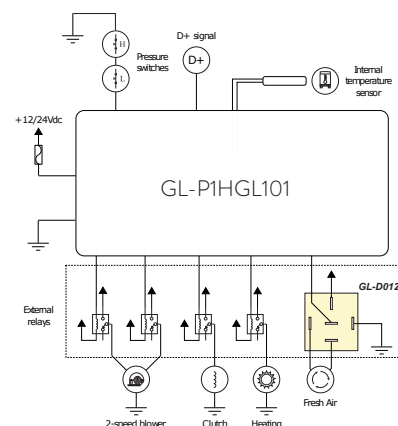
BASIC

LITE

AUTOMOTIVE AIR CONDITIONING CONTROL PANEL COOLING, HEATING AND FRESH AIR

GL-P1HGL101

- Air conditioning (heating and cooling)
- 2 ventilation speeds (high and low + auto)
- Fresh Air



BASIC

PANEL WITH REMOTE ECU AND TELEMATICS MODULE

GL-P1HGL011

- One Wire Communication
- HMI – Human Machine Interface
- CAN Bus communication with ECU

TELEMATICS MODULE - GL-M1SGL002

- One Wire Communication
- Bluetooth

AC MODULE - GL-M1HGL003

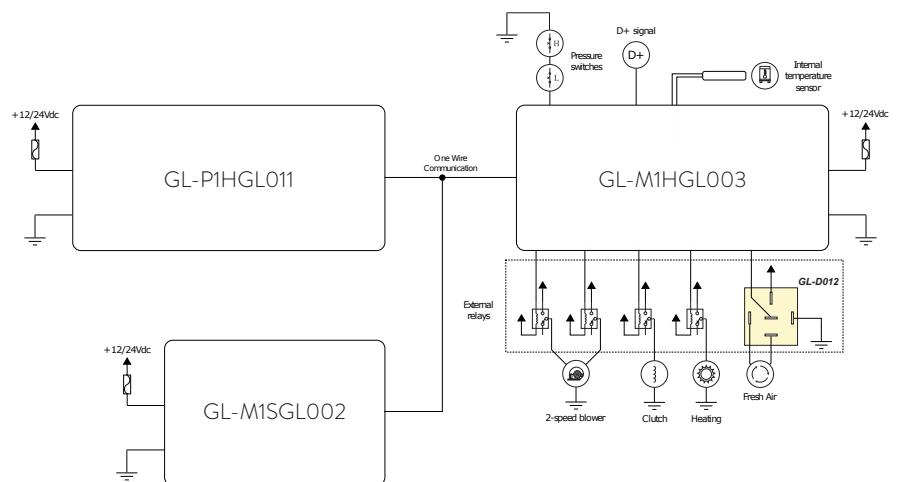
- Air Conditioning (heating and cooling)
- 2 ventilation speeds (high and low + auto)
- Fresh Air
- Pressure Switch
- Compressor
- Condenser



GL-M1SGL002



GL-M1HGL003



PANEL WITH REMOTE ECU FOR DIESEL MOTOR CONTROL

GL-G5500

- Start, stop and motor failure control

ECU - GL-W3101

Inputs:

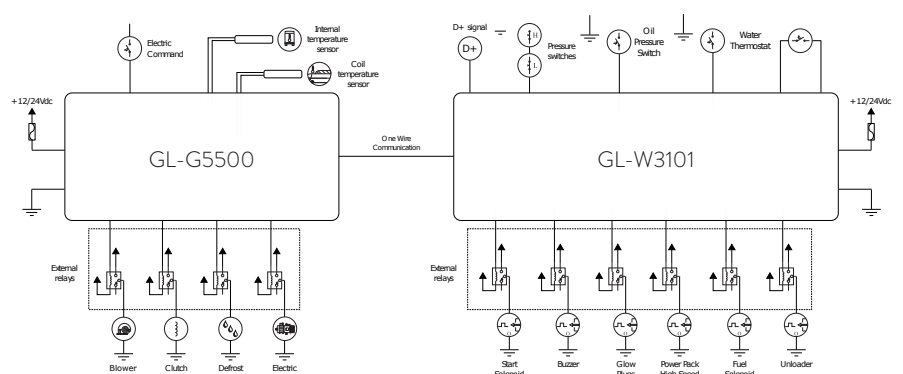
- D+ signal
- Pressure Switches
- Oil Pressure Switch
- Water Thermostat
- Manual Control
- Water Level

Outputs:

- Start Solenoid
- Fuel Solenoid
- Buzzer
- Spark plug heating
- Engine acceleration
- Unloader



GL-W3101



For the vertical mounting option

FLEXIBLE AND CUSTOMIZABLE CABIN CONTROL PANEL IN VERTICAL FORMAT *

- Start, stop and motor failure control
- HMI – Human Machine Interface
- CAN Bus communication with ECU
- 9 or 12 buttons
- Customizable Functions
- Function Indication LEDs
- 3 Digits Display – 7 segments
(optional only in the 9 button option)


BASIC

PRODUCT CONFIGURATION

Choose the best options for your system

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

PIN CN1	BASIC LITE POSSIBLE CONFIGURATIONS- HARDWARE 2		
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT
2	GND	OR	--
3	DIGITAL OUTPUT NEGATIVE 0.5A		--
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT
5	GND	OR	--
6	ANALOG INPUT	OR	DIGITAL INPUT
7	POWER SUPPLY	OR	--
8	DIGITAL INPUT	OR	--
9	ANALOG INPUT	OR	DIGITAL INPUT
10	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--
11	ONE WIRE	OR	--
12	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT



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



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Electronics



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