

NEO



NEO

OEM

HVAC

CABIN / MUX



NEO1

NEO2

NEO3

MAIN FUNCTIONS

REFRIGERATION

HEATING

VENTILATION

AIR DIRECTION

MULTIPLEX

CABIN CONTROL

CHARACTERISTICS

- Innovative design
- Designed for heavy-duty applications
- Analog commands
- Backlit buttons and symbols
- Available as HMI - Human Machine Interface (CAN Bus)
- Customer logo on the panel
- Screwless installation
- Automotive connector
- High frontal protection grade

AVAILABLE FOR



CONTROLLERS DEVELOPED WITH BUTTONS AND INTERFACES FOR COMPLETELY CUSTOMIZABLE FUNCTIONS

CHOOSE BETWEEN THE HORIZONTAL OR VERTICAL (i) FORMATS



POWER SWITCH

VENTILATION SPEED CONTROLLER

3 speed 16A@12V or 10A@24V
4 speed 25A@12V or 15A@24V

* Not available at Neo3 central position



POTENTIOMETER

PWM VENTILATION

Automatic ventilation control



TEMPERATURE

Control in 22 or 10 positions
Hot & Cold | Cold | Hot | Setpoint



AIR DIRECTIONING

3 or 5 positions
Flap Positions



BUTTONS

2 INDIVIDUAL BUTTONS

6 available status LEDs



Present a not yet available function and Globus will analyze its development

CONFIGURATION OPTIONS

OUTPUTS: Analog, Digital Positive and Negative, Bridge (flap motor) and PWM

INPUTS: Analog and Digital

COMMUNICATION: CAN Bus and One Wire

FUNCTIONS UNDER REQUEST



WI-FI



BLUETOOTH



CELL PHONE
INTERFACE



CAN BUS



REMOTE I/O
NETWORK



DATA
LOGGER



CUSTOMIZABLE
INTERFACES



HMI



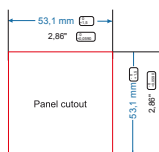
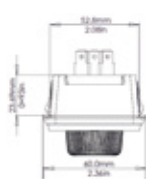
TECHNICAL DATA

OEM

HVAC

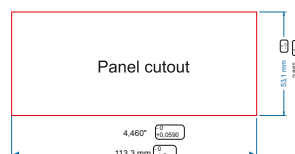
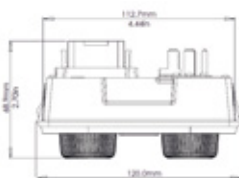
CABIN / MUX

NEO1



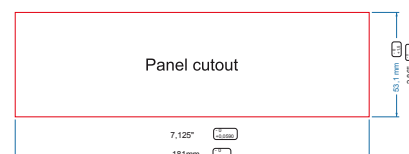
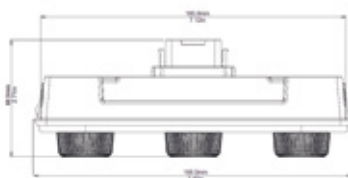
Approximated weight: 80g

NEO2



Approximated weight: 175g

NEO3



Approximated weight: 465g

CONNECTORS



3 SPEED POWER SWITCH
Part Number: 754C3
Manufacturer: Koch Sales



4 SPEED POWER SWITCH
Part Number: 12110047
Manufacturer: Delphi



POSITIVE LOCK 1 way
Part Number: 154719-1
Terminal - PN: 880645-6
Manufacturer: Tyco Electronics



MATE-N-LOK 15 ways
Part Number: 1-480710 - 0
Terminal - PN: 350689-3
Manufacturer: Tyco Electronics

TECHNICAL DATA

OPERATING VOLTAGE	12 VDC / 24 VDC
OPERATING VOLTAGE RANGE	9 VDC to 30 VDC
MAXIMUM VOLTAGE	32 VDC during 5 min
MAXIMUM CURRENT PER OUTPUT	See individual product description
OUTPUT SHORT-CIRCUIT	Protected *
REVERSE POLARITY	Protected *
OPERATING TEMPERATURE RANGE	-40°C to +85°C / -40°F to +185°F
STORAGE TEMPERATURE	-40°C to +125°C / -40°F to +257°F
TEMPERATURE SENSOR	NTC - See individual product description
FRONTAL PROTECTION DEGREE	IP 54
COMMUNICATION	One Wire / CAN Bus
MAXIMUM CURRENT CONSUMPTION	
NEO1 - NO POWER KEY	25mA @ 12 VDC / 32mA @ 24 VDC
NEO1 - WITH POWER KEY - MINIMUM BRIGHTNESS	5,5mA @ 12 VDC / 16,5mA @ 24 VDC
NEO1 - WITH POWER KEY - MAXIMUM BRIGHTNESS	12mA @ 12 VDC / 36mA @ 24 VDC
NEO2	40mA @ 12 VDC / 20mA @ 24 VDC **
NEO3	70mA @ 12 VDC / 35mA @ 24 VDC **
STANDBY CONSUMPTION (NEO2 E NEO3)	**

* 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.

NEO¹ VENTILATION

OEM

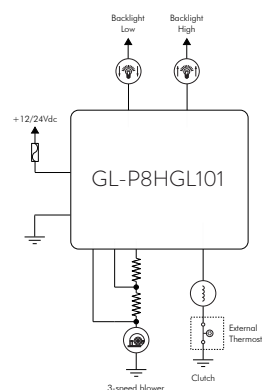
HVAC

Allows for the practical fan speed and/or temperature adjustment.
Easy installation and excelent cost benefit relation.

FAN SPEED CONTROLLER

GL-P8HGL101

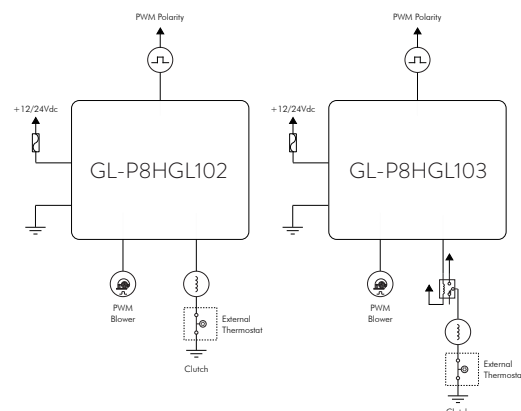
- 3 speed evaporator power switch
16A@12V and 10A@24V
- Dimmer input
- Ventilation ON output – 4A@12V
and 2.5A@24V (clutch)



PWM FAN SPEED CONTROLLER

GL-P8HGL102 / GL-P8HGL103

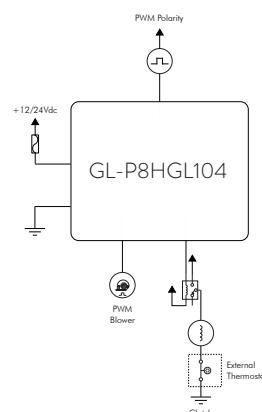
- 9 speed PWM Fan speed signal
- PWM reversing
- 5A positive clutch output (GL-P8HGL102)
- 500mA negative clutch output (GL-P8HGL103)
- A/C Key



PWM FAN SPEED CONTROLLER

GL-P8HGL104

- 9 speed PWM Fan speed signal
- PWM reversing
- Ventilation ON output – negative 500mA
(clutch)



NEO¹ TEMPERATURE

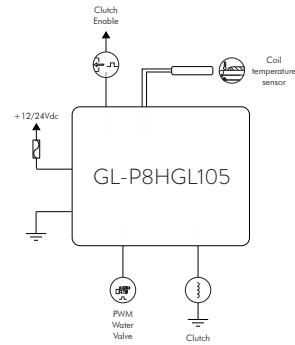
OEM

HVAC

PWM TEMPERATURE CONTROLLER

GL-P8HGL105

- Coil temperature sensor
- Enable compressor input
- 5A positive clutch output
- PWM hot water valve signal
- A/C button
- Diagnostic LED

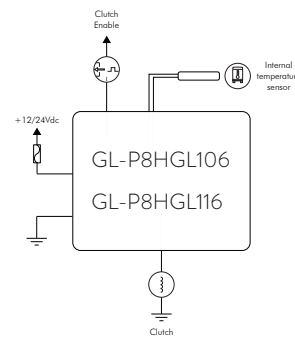


COMPRESSOR CYCLING TEMPERATURE CONTROLLER

GL-P8HGL106 (Celsius scale) /

GL-P8HGL116 (Fahrenheit scale)

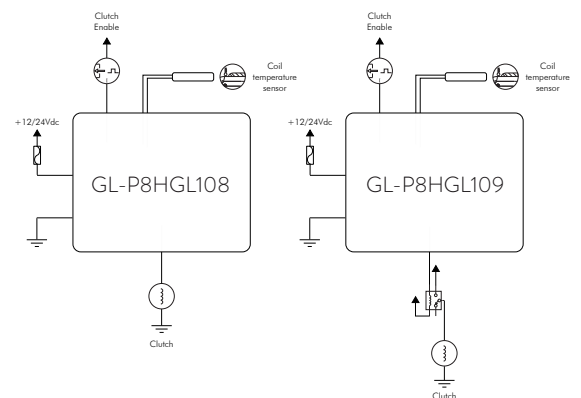
- Return temperature sensor
- Enable compressor input
- 5A positive clutch output
- A/C button
- Diagnostic LED



COMPRESSOR CYCLING TEMPERATURE CONTROLLER

GL-P8HGL108 /GL-P8HGL109

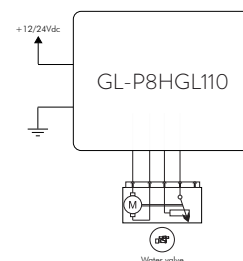
- Coil temperature sensor
- Enable compressor input
- 5A positive clutch output
- 500mA negative clutch output
- A/C button
- Diagnostic LED



PROPORTIONAL TEMPERATURE CONTROLLER

GL-P8HGL110

- Proportional hot water valve (H-Bridge)
- Valve feedback input
- Diagnostic LED



Customization and flexibility are some of Globus' differentials. We adapt our products according to the needs of our customers. Check below our different hardware configuration possibilities.

Choose the best options for your system

PIN	NEO 1 POSSIBLE CONFIGURATIONS - HARDWARE 1										
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 5A (*)	OR	PWM OUTPUT	OR	ANALOG OUTPUT (**)	OR	--	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	ONE WIRE	OR	ANALOG INPUT	OR	DIGITAL INPUT
3	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--	OR	--
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
5	GND	OR	--	OR	--	OR	--	OR	--	OR	--
6	POWER SUPPLY	OR	--	OR	--	OR	--	OR	--	OR	--

(*) WITH PCI AUXILIAR AXP8HGL101 / (**) WITH PCI AUXILIAR AXP8HGL102

PIN	NEO 1 POSSIBLE CONFIGURATIONS - HARDWARE 2		
1	POTENTIOMETER OUTPUT (MAX RESISTANCE PIN - CW)	OR	(*)
2	POTENTIOMETER OUTPUT (CENTER PIN)	OR	(*)
3	GND	OR	(*)
4	MAX BACKLIGHT	OR	--
5	GND	OR	--
6	MIN BACKLIGHT	OR	--

PIN	NEO 1 POSSIBLE CONFIGURATIONS - HARDWARE 3	
1	DIGITAL OUTPUT POSITIVE 5A	
2	INPUT FOR ENABLE OUTPUT (TURN ON)	
3	GND	
4	BACKLIGHT	
5	GND	
6	POWER SUPPLY	

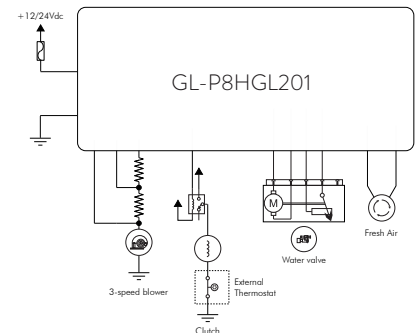
(*) The potentiometer is not mounted when the power switch is used.

Many fan speed and temperature control adjustment options

3-SPEED VENTILATION AND PROPORTIONAL TEMPERATURE CONTROLLER

GL-P8HGL201

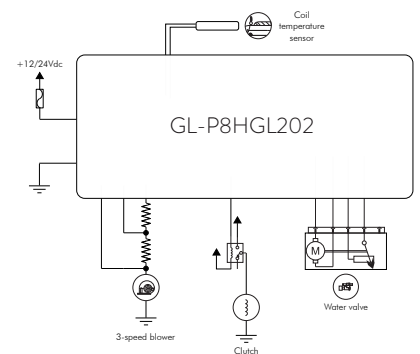
- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Proportional hot water valve control
- Fresh Air output
- 500mA negative clutch output
- Fresh Air button
- A/C button
- Diagnostic LED



3-SPEED VENTILATION AND PROPORTIONAL TEMPERATURE BY COMPRESSOR CYCLING CONTROLLER

GL-P8HGL202

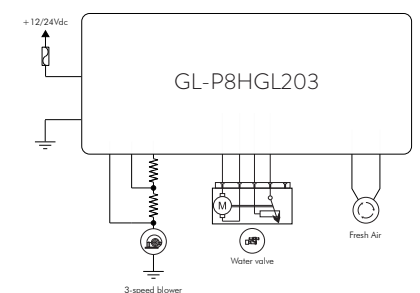
- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Proportional hot water valve control
- Coil temperature sensor
- 500mA negative clutch output
- A/C button
- Diagnostic LED



3 SPEED VENTILATION AND HEATING CONTROL WITH FRESH AIR BUTTON

GL-P8HGL203

- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Proportional hot water valve control
- Fresh Air output
- Diagnostic LED

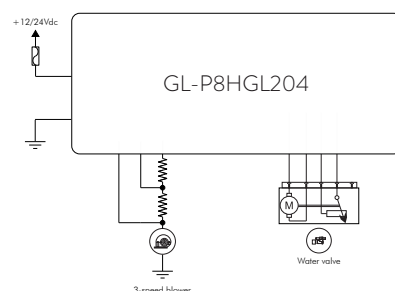


Many fan speed and temperature control adjustment options

3 SPEED VENTILATION AND HEATING CONTROL

GL-P8HGL204

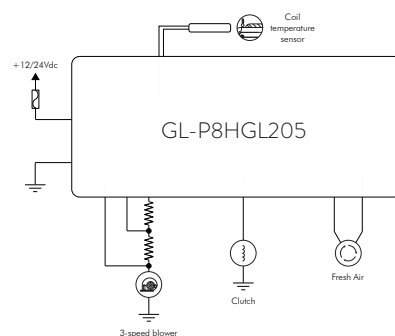
- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Proportional hot water valve control
- Diagnostic LED



FAN SPEED AND TEMPERATURE CONTROL BY COMPRESSOR CYCLING

GL-P8HGL205

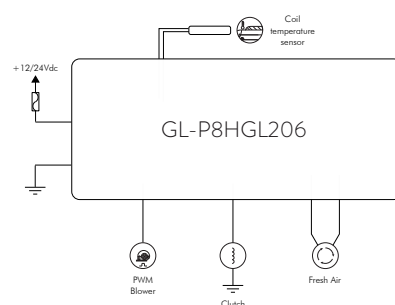
- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Coil temperature sensor
- Fresh Air output
- 5A Positive clutch output
- A/C button
- Fresh Air button
- Diagnostic LED



PWM FAN SPEED AND TEMPERATURE CONTROL BY COMPRESSOR CYCLING

GL-P8HGL206

- 9-Speed PWM Fan speed signal
- Coil temperature sensor
- Fresh Air output
- 5A Positive clutch output
- A/C button
- Fresh Air button
- Diagnostic LED

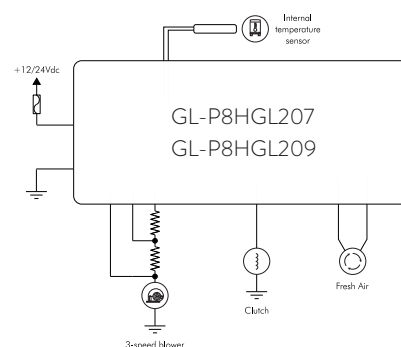


Many fan speed and temperature control adjustment options

3-SPEED VENTILATION AND TEMPERATURE BY COMPRESSOR CYCLING CONTROLLER

GL-P8HGL207 (Celsius scale) /
GL-P8HGL209 (Fahrenheit scale)

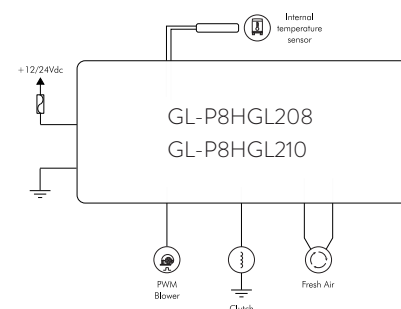
- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Return temperature sensor
- Fresh Air output
- 5A Positive clutch output
- A/C button
- Fresh Air button
- Diagnostic LED



PWM FAN SPEED AND TEMPERATURE CONTROL BY COMPRESSOR CYCLING

GL-P8HGL208 (Celsius scale) /
GL-P8HGL210 (Fahrenheit scale)

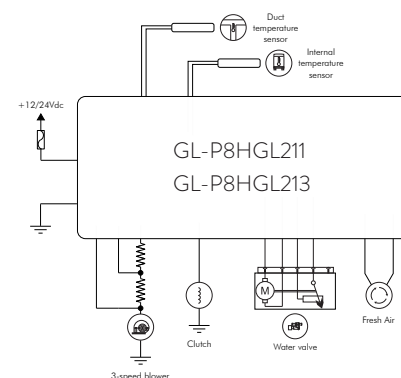
- 8-Speed PWM Fan speed signal
- Return temperature sensor
- Fresh Air output
- 5A Positive clutch output
- A/C button
- Fresh Air button
- Diagnostic LED



DOUBLE PID 3-SPEED VENTILATION AND TEMPERATURE CONTROL

GL-P8HGL211 (Celsius scale) /
GL-P8HGL213 (Fahrenheit scale)

- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Proportional hot water valve control
- Return temperature sensor
- Duct temperature sensor
- Fresh Air output
- 5A Positive clutch output
- A/C button
- Fresh Air button
- Diagnostic LED





VENTILATION and TEMPERATURE

OEM

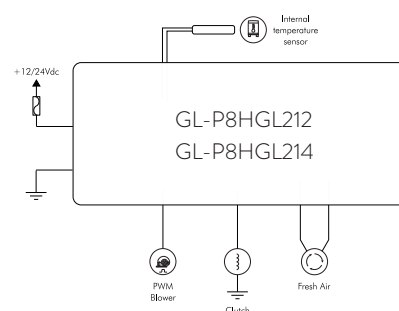
HVAC

Many fan speed and temperature control adjustment options

DOUBLE PID PWM VENTILATION AND TEMPERATURE CONTROL

GL-P8HGL212 (Celsius scale) /
GL-P8HGL214 (Fahrenheit scale)

- 8-Speed PWM Fan speed signal
- Proportional hot water valve control
- Return temperature sensor
- Duct temperature sensor
- Fresh Air output
- 5A Positive clutch output
- A/C button
- Fresh Air button
- Diagnostic LED



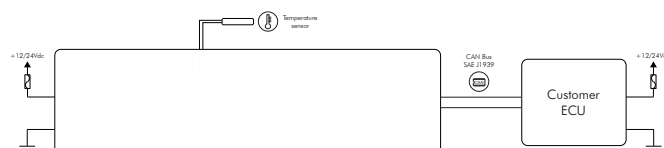
OEM

HVAC

Use the panel as an interface and develop your own control algorithm

VENTILATION AND TEMPERATURE CONTROL*

- HMI – Human Machine Interface
- CAN Bus communication with ECU
- Knob position reading
- Button status reading
- LED status writing
- Up to 4 function buttons
- Up to 6 indication LEDs

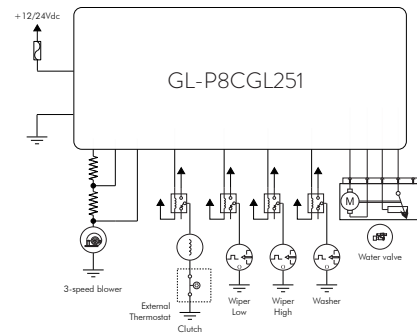


Option for vertical installation

3-SPEED VENTILATION, PROPORTIONAL TEMPERATURE, WINDSHIELD WIPER AND WIPER NOZZLES CONTROLLER

GL-P8CGL251

- 3-Speed evaporator power switch
16A@12V and 10A@24V
- Proportional hot water valve control
- Windshield Wiper, 2 speeds 500mA
- Nozzle output (500mA)
- Negative clutch output (500mA)
- A/C button
- Frontal nozzle button
- Back wiper button
- Diagnostic LED





PRODUCT CONFIGURATION

Choose the best options for your system

PIN	NEO 2 POSSIBLE CONFIGURATIONS HARDWARE 1
1	POWER SUPPLY
2	--
3	N.O. A/C KEY – 10A
4	BLOWER POTENTIOMETER OUTPUT (CENTER PIN)*
5	BLOWER POTENTIOMETER OUTPUT (MAX RESISTANCE PIN - CW)*
6	BLOWER POTENTIOMETER OUTPUT (MIN RESISTANCE PIN - CW)*
7	--
8	GND
9	POWER A/C KEY – 10A
10	VALVE POTENTIOMETER OUTPUT (CENTER PIN)
11	VALVE POTENTIOMETER OUTPUT (MAX RESISTANCE PIN - CW)
12	VALVE POTENTIOMETER OUTPUT (MIN RESISTANCE PIN - CW)
13	POWER DEF KEY – 10A
14	N.O. DEF KEY – 10A
15	--

OBS.1: It is possible to install potentiometers instead of power switches.

OBS.2: It is possible to install another on/off switch in the logo position.

PIN	NEO 2 POSSIBLE CONFIGURATIONS HARDWARE 2
1	POWER SUPPLY OR --
2	DIGITAL OUTPUT NEGATIVE 0.5A OR --
3	ANALOG OUTPUT 50mA OR --
4	-- OR --
5	-- OR --
6	DIGITAL OUTPUT POSITIVE 0.5A OR --
7	-- OR --
8	GND OR --
9	DIGITAL INPUT OR --
10	-- OR --
11	GND OR --
12	ANALOG INPUT OR DIGITAL INPUT
13	GND OR --
14	-- OR --
15	ANALOG INPUT OR DIGITAL INPUT

OBS.: It is possible to install potentiometers instead of power switches.

PIN	NEO 2 POSSIBLE CONFIGURATIONS HARDWARE 3						
1	POWER SUPPLY	OR	--	OR	OR	--	
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	PWM OUTPUT
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	OR	PWM OUTPUT
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	DIGITAL OUTPUT POSITIVE 5A
8	GND	OR	--	OR	--	OR	--
9	DIGITAL INPUT	OR	--	OR	--	OR	--
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
11	GND	OR	--	OR	--	OR	--
12	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
13	GND	OR	--	OR	--	OR	--
14	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--

OBS.: It is possible to install potentiometers instead of power switches.

PIN	NEO 2 POSSIBLE CONFIGURATIONS - HARDWARE 4									
1	POWER SUPPLY	OR	--	OR	--	OR	--	OR	--	
2	CENTER POTENTIOMETER BLOWER	OR	--	OR	--	OR	--	OR	--	
3	MAX POTENTIOMETER BLOWER	OR	--	OR	--	OR	--	OR	--	
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	PWM OUTPUT	OR	--	
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	DIGITAL OUTPUT POSITIVE 5A	OR	PWM OUTPUT	
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	OR	DIGITAL OUTPUT POSITIVE 5A	OR	PWM OUTPUT	
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT	OR	--	
8	GND	OR	--	OR	--	OR	--	OR	--	
9	FLAP POTENTIOMETER OUTPUT (CENTER PIN)	OR	--	OR	--	OR	--	OR	--	
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--	
11	GND	OR	--	OR	--	OR	--	OR	--	
12	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--	
13	GND	OR	--	OR	--	OR	--	OR	--	
14	FLAP POTENTIOMETER OUTPUT (MAX RESISTANCE PIN - CW)	OR	--	OR	--	OR	--	OR	--	
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--	

OBS.: It is possible to install potentiometers instead of power switches.

PIN	NEO 2 POSSIBLE CONFIGURATIONS - HARDWARE 5									
1	POWER SUPPLY	OR	--	OR	--	OR	--			
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	PWM OUTPUT			
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT			
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	OR	PWM OUTPUT			
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT			
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--			
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	DIGITAL OUTPUT POSITIVE 5A			
8	GND	OR	--	OR	--	OR	--			
9	CAN L	OR	--	OR	--	OR	--			
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--			
11	GND	OR	--	OR	--	OR	--			
12	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--			
13	GND	OR	--	OR	--	OR	--			
14	CAN H	OR	--	OR	--	OR	--			
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--			

OBS.: It is possible to install potentiometers instead of power switches.

PIN	NEO 2 POSSIBLE CONFIGURATIONS HARDWARE 6									
1	POWER SUPPLY	OR	--							
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--							
3	ANALOG OUTPUT 50mA	OR	--							
4	CAN H	OR	--							
5	CAN L	OR	--							
6	DIGITAL OUTPUT POSITIVE 0.5A	OR	--							
7	--	OR	--							
8	GND	OR	--							
9	ANALOG INPUT	OR	DIGITAL INPUT							
10	--	OR	--							
11	GND	OR	--							
12	ANALOG INPUT	OR	DIGITAL INPUT							
13	GND	OR	--							
14	--	OR	--							
15	ANALOG INPUT	OR	DIGITAL INPUT							

OBS.: It is possible to install potentiometers instead of power switches.



VENTILATION, TEMPERATURE and AIR DIRECTION

OEM

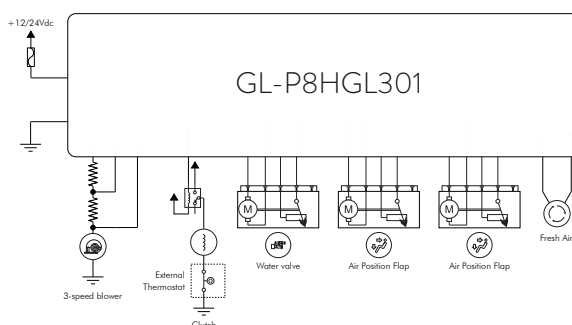
HVAC

Allows for speed, temperature and air direction adjustments

3-SPEED VENTILATION, PROPORTIONAL TEMPERATURE AND AIR DIRECTION CONTROLLER

GL-P8HGL301

- 3-Speed ventilation control
- Proportional hot water valve control
- 2 proportional air position flaps
- 1 Fresh Air flap
- Standard DIN radio size
- 500mA negative clutch output
- A/C button
- Fresh Air button
- Diagnostic LED



OEM

HVAC

CABIN / MUX



Use the panel as an interface and develop your own control algorithm

VENTILATION, PROPORTIONAL TEMPERATURE AND AIR DIRECTION CONTROLLER

GL-P8HGL302

- HMI – Human Machine Interface
- CAN Bus communication with ECU
- Knob position reading
- Button status reading
- Temperature sensor reading
- LED status writing
- Standard DIN radio size
- Up to 2 function buttons
- Up to 8 indication LEDs

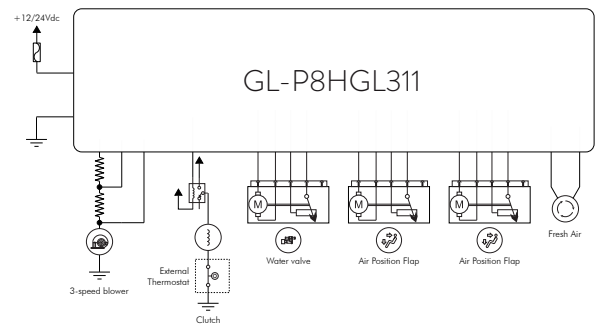


For vertical mounting option

3-SPEED VENTILATION, PROPORTIONAL TEMPERATURE AND AIR DIRECTION CONTROLLER

GL-P8HGL311

- 3-Speed evaporator power switch 16A@12V
- Proportional hot water valve control
- 2 proportional air position flaps
- 1 Fresh Air flap
- Standard DIN radio size
- Vertical format
- 500mA negative clutch output
- A/C button
- Fresh Air button
- Diagnostic LED





PRODUCT CONFIGURATION

Choose the best options for your system

PIN CN1	NEO 3 POSSIBLE CONFIGURATIONS - HARDWARE 1						
1	POWER SUPPLY	OR	--	OR	--	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	PWM OUTPUT
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	OR	PWM OUTPUT
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 5A	OR	PWM OUTPUT	OR	--
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	--	OR	--
8	GND	OR	--	OR	--	OR	--
9	DIGITAL INPUT	OR	CAN L	OR	--	OR	--
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
11	GND	OR	--	OR	--	OR	--
12	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
13	GND	OR	--	OR	--	OR	--
14	ANALOG INPUT	OR	DIGITAL INPUT	OR	CAN H	OR	--
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
PIN CN2							
1	POWER SUPPLY	OR	--	OR	--	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H3	OR	PWM OUTPUT
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H4	OR	PWM OUTPUT
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT
6	--	OR	--	OR	--	OR	--
7	--	OR	--	OR	--	OR	--
8	GND	OR	--	OR	--	OR	--
9	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--
11	--	OR	--	OR	--	OR	--
12	ONE WIRE	OR	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
13	GND	OR	--	OR	--	OR	--
14	--	OR	--	OR	--	OR	--
15	--	OR	--	OR	--	OR	--

OBS.: It is possible to install potentiometers instead of power switches.

PIN	NEO 3 POSSIBLE CONFIGURATIONS - HARDWARE 2		
1	POWER SUPPLY – COMUM DEFROST KEY / MAX POT VALVE / MIN POT FLAP	OR	--
2	N.O. DEFROST KEY – 10A	OR	--
3	--	OR	MAX POT BLOWER (*)
4	--	OR	MIN POT BLOWER (*)
5	--	OR	CENTER POT BLOWER (*)
6	N.O. A/C KEY – 10A	OR	--
7	--	OR	MIN POT FLAP
8	GND – BACKLIGHT / MIN POT VALVE	OR	--
9	CENTER POT FLAP	OR	--
10	CENTER POT VALVE	OR	--
11	--	OR	--
12	POWER SUPPLY BACKLIGHT	OR	--
13	MAX POT FLAP	OR	--
14	--	OR	COMUM DEFROST KEY
15	POWER SUPPLY A/C KEY	OR	--

* The potentiometer is not mounted when the power switch is used.

PIN	NEO 3 POSSIBLE CONFIGURATIONS - HARDWARE 3								
1	POWER SUPPLY	OR	--	OR	--	OR	--	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	PWM OUTPUT	OR	--
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT	OR	--
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	OR	PWM OUTPUT	OR	--
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR		OR	PWM OUTPUT	OR	DIGITAL OUTPUT POSITIVE 5A
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 5A	OR	PWM OUTPUT	OR	--	OR	--
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	--	OR	--	OR	--
8	GND	OR	--	OR	--	OR	--	OR	--
9	DIGITAL INPUT	OR	CAN L	OR	ONE WIRE	OR	ANALOG INPUT	OR	--
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--
11	GND	OR	--	OR	--	OR	--	OR	--
12	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--
13	GND	OR	--	OR	--	OR	--	OR	--
14	ANALOG INPUT	OR	DIGITAL INPUT	OR	CAN H	OR	--	OR	--
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--

OBS.: It is possible to install potentiometers instead of power switches.



PRODUCT CONFIGURATION

PIN	NEO 3 POSSIBLE CONFIGURATIONS - HARDWARE 4				
1	POWER SUPPLY	OR	--	OR	--
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	--
3	ANALOG OUTPUT 50mA	OR	--	OR	--
4	ANALOG OUTPUT 50mA	OR	--	OR	--
5	ANALOG OUTPUT 50mA	OR	--	OR	--
6	DIGITAL OUTPUT POSITIVE 5A	OR	--	OR	--
7	ANALOG INPUT	OR	DIGITAL INPUT	OR	ONE WIRE
8	GND	OR	--	OR	--
9	DIGITAL INPUT	OR	CAN L	OR	--
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
11	GND	OR	--	OR	--
12	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
13	GND	OR	--	OR	--
14	ANALOG INPUT	OR	DIGITAL INPUT	OR	CAN H
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--

OBS.: It is possible to install potentiometers instead of power switches.



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