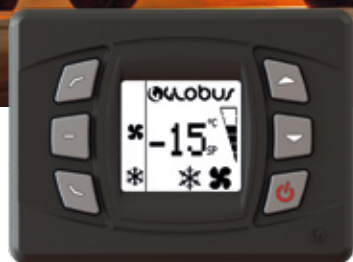


TWISTER

OEM

HVAC

HVAC + R



TWISTER



EZ TWISTER

MAIN FUNCTIONS

REFRIGERATION

HEATING

VENTILATION

DEFROST

CHARACTERISTICS

- Customizable design
- 6 backlit buttons
- Backlit graphic 128x96px display
- Available as HMI - Human Machine Interface (CAN Bus)
- Customizable parameters
- Failure indication on display
- Screwless installation

AVAILABLE FOR



PRACTICAL CONTROLLER LINE WITH BACKLIT DISPLAY, FACILITATING THE USE OF ITS FUNCTIONS

BUTTON POSITIONS

GRAPHIC DISPLAY



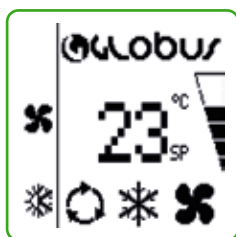
TWISTER



EZTWISTER

DISPLAY

DIGITAL BACKLIT
DISPLAY 128x96px
Logo on display
Selectable temperature scale °F or °C
Diagnostic Menu
Parameter Adjustment



BUTTONS

PERSONALIZED 6 BUTTON KEYBOARD
Personalized button symbols
Intelligent functions lights
Backlit
Individual multicolored indicators



FUNCTIONS UNDER REQUEST



WI-FI



BLUETOOTH



CELL PHONE
INTERFACE



CAN BUS



REMOTE I/O
NETWORK



DATA
LOGGER



CUSTOMIZABLE
INTERFACES

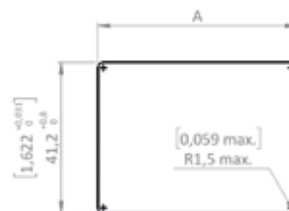
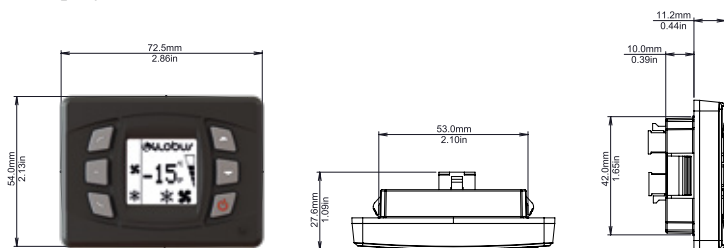


TECHNICAL DATA

TWISTER

OEM

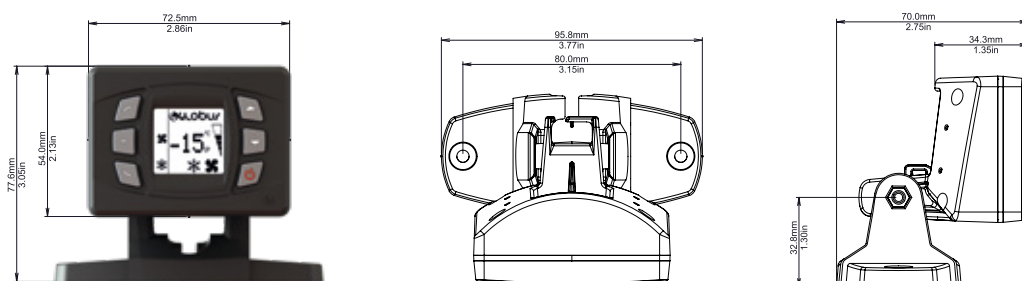
HVAC + R



SUGGESTED PANEL CUT OUT:
MINIMUM THICKNESS = 1,2 mm [0,047 in]
MAXIMUM THICKNESS = 3,0 mm [0,118 in]

Approximated weight: 60g

EZ TWISTER



Approximated weight: 115g

CONNECTORS



MICRO-FIT 6 ways
PN: 662006113322
Terminal - PN: 66210113722
Manufacturer: WÜRTH



MICRO-FIT 8 ways
PN: 662006113322
Terminal - PN: 66210113722
Manufacturer: WÜRTH

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	500mA
OUTPUT SHORT-CIRCUIT	Protected
REVERSE POLARITY	Protected
OPERATING TEMPERATURE RANGE	-30°C to +85°C / -22°F to +185°F
STORAGE TEMPERATURE	-40°C to +85°C / -40°F to +185°F
TEMPERATURE SENSOR	NTC 10K@25°C/77°F
FRONTAL PROTECTION DEGREE	IP 54
COMMUNICATION	N/A
MAXIMUM CURRENT CONSUMPTION	30mA *
STANDBY CONSUMPTION	10mA *

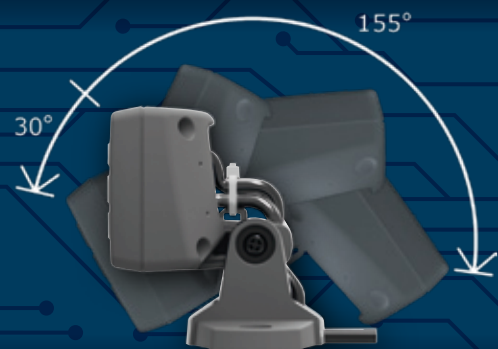
* Consumption may vary according to customer specifications.
We keep the right to update or change information regarding products without prior notice.





FLEXIBLE

EZ TWISTER



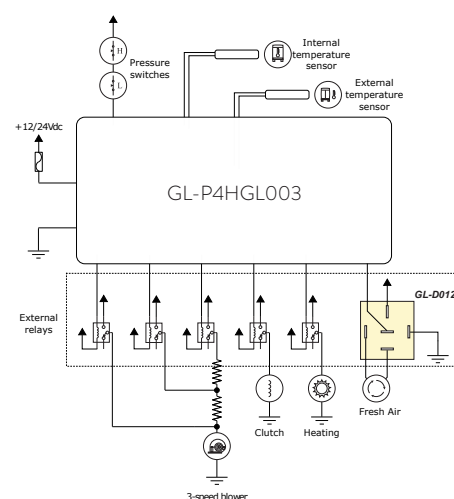
EASY INSTALLATION

TWISTER

AIR CONDITIONING CONTROL PANEL WITH GRAPHIC DISPLAY

GL-P4HGL003

- Refrigeration, heating and Auto Modes
- 3 speed fan, clutch, fresh air and heating output
- Return temperature sensor
- External temperature sensor
- Pressure Switch

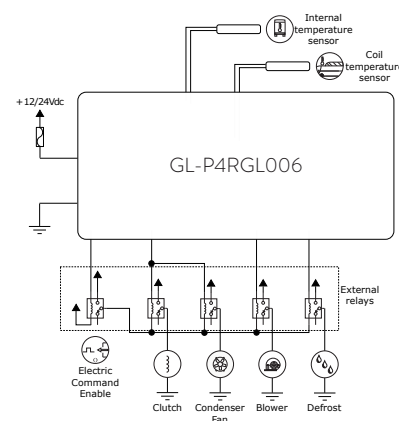


TWISTER

TRANSPORT REFRIGERATION CONTROL PANEL WITH GRAPHIC DISPLAY

GL-P4RGL006

- Defrosting Function configurable by time or temperature
- Evaporator output
- Compressor/Condenser output
- Return temperature sensor
- Coil temperature sensor
- Defrost output
- Enable electric command output

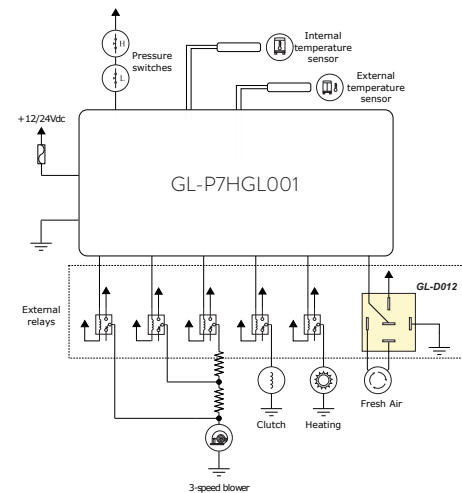




AIR CONDITIONING CONTROL PANEL WITH GRAPHIC DISPLAY

GL-P7HGL001

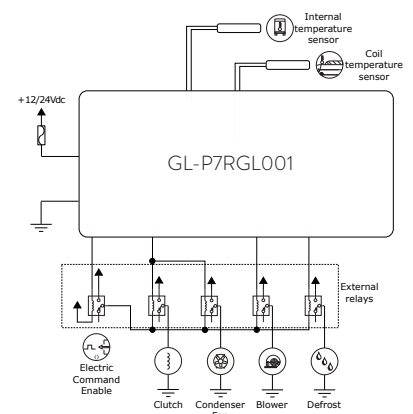
- Refrigeration, heating and Auto Modes
- 3 speed fan, clutch, fresh air and heating output
- Return temperature sensor
- External temperature sensor
- Pressure Switch



TRANSPORT REFRIGERATION CONTROL PANEL WITH GRAPHIC DISPLAY

GL-P7RGL001

- Defrosting Function configurable by time or temperature
- Evaporator output
- Compressor/Condenser output
- Return temperature sensor
- Coil temperature sensor
- Defrost output
- Enable electric command output



PRODUCT CONFIGURATION

Choose the best options for your system

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

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

TWISTER | EZ TWISTER

PRODUCT CONFIGURATION

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

Note: Buzzer inside of panel.

PIN	TWISTER - EZ TWISTER POSSIBLE CONFIGURATIONS - HARDWARE 4				
1	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	--
2	ANALOG INPUT	OR	DIGITAL INPUT	OR	--
3	GND	OR	--	OR	--
4	GND	OR	--	OR	--
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	ONE WIRE
6	CAN L	OR	--	OR	--
7	CAN H	OR	--	OR	--
8	POWER SUPPLY	OR	--	OR	--

PIN	TWISTER - EZ TWISTER POSSIBLE CONFIGURATIONS - HARDWARE 5				
1	POWER SUPPLY				
2	GND				
3	POWER SUPPLY FOR RTC				
4	CAN L				
5	ONE WIRE				
6	CAN H				



WE ARE TODAY.
WE ARE TOMORROW.
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