

NEO



NEO 1



NEO 2



NEO 3

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
- Bluetooth and Wi-Fi Modules Interface
- Simplified installation
- NEO 1: 1 Knob from 3 to 22 positions
- NEO 2: 2 Knobs from 3 to 22 positions + 2 optional buttons
- NEO 3: 3 Knobs de from 3 to 22 positions + 2 optional buttons

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 <small>* Not available at Neo3 central position</small>	
	PWM VENTILATION Automatic ventilation control	
POTENTIOMETER	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

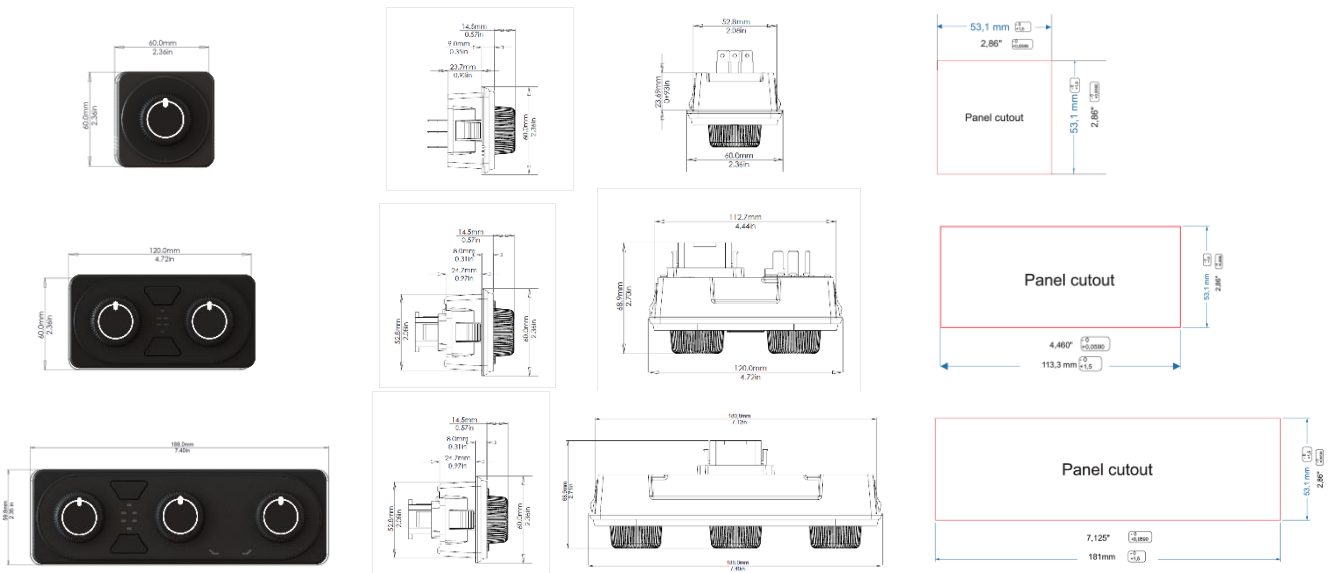


CUSTOMIZABLE INTERFACES



HMI





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

DADOS TÉCNICOS

OPERATING VOLTAGE	12 VDC / 24 VDC
OPERATING VOLTAGE RANGE	10 VDC a 30 VDC
MAXIMUM VOLTAGE	32 VDC during 5min
MAXIMUM CURRENT PER OUTPUT	**
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 - Vide descrição individual de produto
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 and 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..



Um dos diferenciais da Globus é a flexibilização e customização. Adaptamos nossos produtos conforme a necessidade de nossos clientes. Confira abaixo as diferentes possibilidades de configuração de hardware.

Escolha as melhores opções para seu sistema

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 AUXP8HGL101 / (**) WITH PCI AUXILIAR AUXP8HGL102

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

(*) O potenciômetro não é montado quando for utilizado a chave de potência.

Escolha as melhores opções para seu sistema

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: É possível montar potenciômetros ao invés de chaves de potência.

OBS.2: É possível montar outra chave liga e desliga na posição da logo.

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.: É possível montar potenciômetros ao invés de chaves de potência.

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	PWM OUTPUT
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	PWM OUTPUT
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	PWM OUTPUT
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	PWM OUTPUT
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	--
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	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.: É possível montar potenciômetros ao invés de chaves de potência.

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.: É possível montar potenciômetros ao invés de chaves de potência.

NEO 2 POSSIBLE CONFIGURATIONS - HARDWARE 5									
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	--
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	--	OR	--
7	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	DIGITAL OUTPUT POSITIVE 5A	OR	--
8	GND	OR	--	OR	--	OR	--	OR	--
9	CAN L	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	CAN H	OR	--	OR	--	OR	--	OR	--
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	OR	--	OR	--

OBS.: É possível montar potenciômetros ao invés de chaves de potência.

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.: É possível montar potenciômetros ao invés de chaves de potência.

Escolha as melhores opções para seu sistema

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	NEO 3 POSSIBLE CONFIGURATIONS - HARDWARE 2						
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.: É possível montar potenciômetros ao invés de chaves de potência.

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

* O potenciômetro não é montado quando for utilizado a chave de potência.

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

OBS.: É possível montar potenciômetros ao invés de chaves de potência.

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.: É possível montar potenciômetros ao invés de chaves de potência.