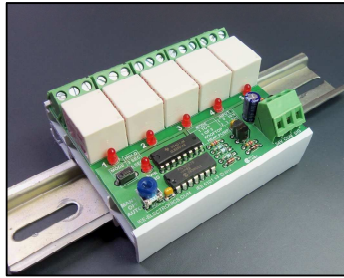
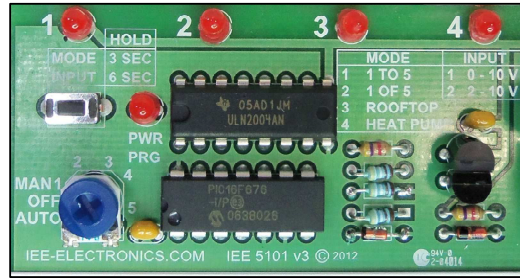


Multiplexer 5 Relays - 4 Modes - 2 Input voltages

IEE 5101v3 (Input 0 – 10 Vdc, 2 – 10 Vdc)



LED's
DIN rail compatible



Potentiometer for test
Mode & voltage selection button

Power voltage :

Rectifier : 1 Diode (Half wave)
V ac - dc : 20V min to 28V max.
Power : 2.7va @ 24Vac, 70 mA @ 24Vdc

Input voltage:

V dc : 0–10v / 2–10v (Protection : 24 vac & variation 5 hz &+)
Current : 1mA max. @ 10Vdc

Modes / Voltage(0-10v)

Mode	Function	0V	2V	4V	6V	8V	10V
1	1 to 5	None	R 1	R 1 & 2	R 1, 2 & 3	R 1, 2, 3 & 4	R 1, 2, 3, 4 & 5
2	1 of 5	None	R 1	R 2	R 3	R 4	R 5
3	Rooftop	None	R 1	R 1 & 2	R 1, 2 & 3	R 1 & 4	R 1, 4 & 5
4	Heatpump	None	R 1	R 1, R 2	R 1, R 2, R 3	R 1, R 5	R 1, R 2, R 5

Mode	Function	0V	2V	3V	4V	5V	6V	7V	8V
4	Heatpump	None	R 1	R 1, R 2	R 1, R 2, R 3	R 1, R 5	R 1, R 2, R 5	R 1, R 2, R 3, R 5	R 1, R 2, R 3, R 4 R 5

MODE 1	Relay / Volatge	Cooling or Heating					
		0V	2V	4V	6V	8V	10V
Fan	R1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Comp/Heat 1	R2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Comp/Heat 2	R3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comp/Heat 3	R4				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comp/Heat 4	R5					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MODE 3	Relay / Volatge	Cooling					Heating	
		0V	2V	4V	6V	8V	10V	
Fan	R1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comp 1	R2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Comp 2	R3				<input checked="" type="checkbox"/>			
Heat 1	R4					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Heat 2	R5						<input checked="" type="checkbox"/>	

MODE 2	Relay / Volatge	Cooling or Heating					
		0V	2V	4V	6V	8V	10V
Relay 1	R1		<input checked="" type="checkbox"/>				
Relay 2	R2			<input checked="" type="checkbox"/>			
Relay 3	R3				<input checked="" type="checkbox"/>		
Relay 4	R4					<input checked="" type="checkbox"/>	
Relay 5	R5						<input checked="" type="checkbox"/>

MODE 4	Relay / Volatge	Cooling				Heating			
		0V	2V	3V	4V	5V	6V	7V	8V+
Fan	R1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Comp 1	R2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Comp 2	R3				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Aux 1	R4							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Valve	R5					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Relay 5 (Reversing valve) never change state with compressor ON

Installation
Insert from left side



Press on right side

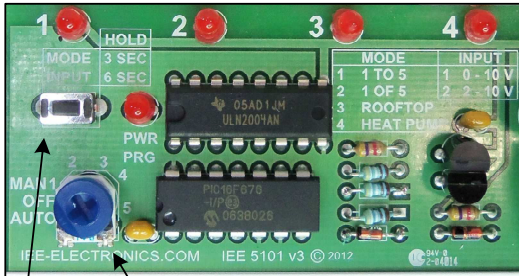


Remove with flat screw driver



Multiplexer 5 Relays - 4 Modes - 2 Input voltages

IEE 5101v3 (Input 0 – 10 Vdc, 2 – 10 Vdc)



Potentiometer for manual test

Mode & voltage selection button

Modes (1 to 3) & Input voltages (0-10v ou 2-10v) :

Modes & Input : To select modes , hold down the button for 3 sec .
While holding the button , LED (PWR/PRG) turn off .

After 3 sec. DEL (PWR/PRG) blinks once to indicate ready to for selection of modes.
Release button and press it again the amount of time needed to select the disired mode.
Wait , the LED will blink as many time as the mode you selected , one time .
LED turns ON steady , the circuit is back to normal operation.

To select input voltage , hold down the button for 6 sec .
While holding the button , LED (PWR/PRG) turn off .

After 6 sec. DEL (PWR/PRG) blinks twice to indicate ready to for selection of input voltage.
Release button and press it again the amount of time needed to select the input voltage.
Wait , the LED will blink as many time as the input voltage you selected , one time .
LED turns ON steady , the circuit is back to normal operation.

Potentiometer : The potentiometer allows to test the circuit in the slected mode .
During the test , LED (PWR) blinks 4 times per sec.

Protection : If input signal varies more then 5 times per seconde or is superimposed with ac voltage
(1 to 30 Vac max) , outputs stay at the last know value for 10 secondes and turn off until
signal stabilizes for at least 10 secondes .
LED (PWR) blinks 8 times per sec.

CONTACT

Arrangement : 1C (1 Com with NO NC)
Material : Ag -CdO - Ag SnO2
Contact (résistive) : 12A/125Vca,28Vdc
6A/277Vac
10A/250Vac
Contact (inductive) : 420W 2500VA
Voltage max. : 110VDC 380Vac
Current max. : 20A
Contact : 50µΩ □ Max
Life : Méchanical 10,000,000
Electrical 1,000,000
Make time : 10 mSec. Max.
Brake time :

CH0050406-2000

R9858271 cULUS E169380

COMPONENTS

Terminal :
Angle cage 35°
12 - 22 gauge
10 Amp, 300 Vac
PA66 UL94-0

Circuit board :
FR4 Fire Retardant
UL Flame Class 94 V-0

Snap Track :
PVC , DIN rail compatible
UL Flame Class 94 V-0

Dimension :
L 7cm, 2.75" x W 8.2 cm, 3.25" x H 3.9cm, 1.5"