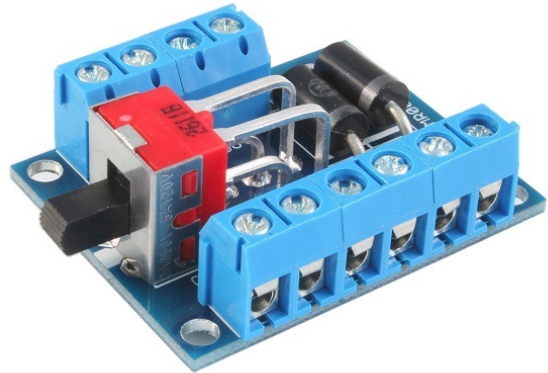


Name: **Voltage Inverter with  
microswitches**  
Code: **MR009-003.1**

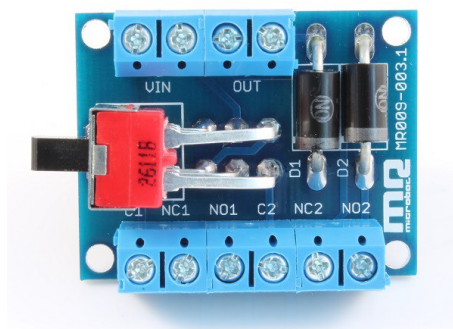


This small circuit allows to reverse the voltage applied to the load simply acting on a switch. Typical applications are inverting the rotating direction of electric motors or inverting the motion direction of linear actuators.

The kit includes two limit switches to be connected to the card; their function is to stop the movement of the motor or of the linear actuator in one of the two directions when the limit switch is pressed.

This function is typically used to limit the travel of linear actuators or to ensure that a motor is moving within a security zone.

The fastening holes as well as the two terminal blocks, one for the supply voltage and the other for the load, facilitate the connection with the circuit.



## CONNECTIONS

Pin	Function
VIN	Supply voltage
OUT	Load
C1	Connect to the COM pin of the first microswitch
NC1	Connect to the NC pin of the first microswitch
NO1	Connect to the NO pin of the first microswitch
C2	Connect to the COM pin of the second microswitch
NC2	Connect to the NC pin of the second microswitch
NO2	Connect to the NO pin of the second microswitch

Tab.1 – Connections

## CHARACTERISTICS

Parameter	Value
Max. Current	5A @ 120VAC o 28VDC
Dimensions	1.6" x 1.25" (40.6 x 31.7 mm)
Weight	0.6 oz (18g)

Tab.2 – Characteristics

