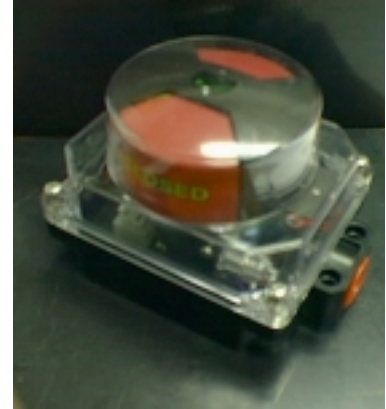


## Description

Triac Twist Set limit switches feature a corrosion resistant polycarbonate enclosure providing local and remote position indication for automated valves. They feature a Hi-Viz indicator with “red=closed” and “green=open” for intuitive local position determination. The Twist Set is available with a number of limit switch options for remote indication in a variety of electrical applications. They may also be used as a junction box for direct installation of solenoid valves.



## Installation

The Triac Twist Set Limit Switches was designed to mount directly to actuators with the NAMUR standard (VDI / VDE 3845) mounting interface. The Triac Twist Set includes all required hardware & fasteners, eliminating the additional cost for a mounting bracket and a coupler.

Remove the mounting plate from the bottom of the Twist Set and mount to the top of the actuator. Place the Twist Set on top of the mounting plate, making sure that the shaft lines up with the slot in the actuator pinion. Once the Twist Set is fastened, stroke the actuator to make sure the Twist Set is correctly mounted. When mounting to actuators with the larger NAMUR pattern (30mm x 130mm), extension legs are required. (Please see document IOM3005 for mounting configurations)

## Special Hazardous Location Instructions

Triac Twist Set enclosures are designed to meet NEMA 4 specifications, but may be used in Division 2 hazardous locations when supplied with hermetically sealed magnetic proximity & solid state switches. For Division 2 applications utilizing hermetically sealed switches, conduit seals are not required.

## Adjusting Limit Switches

Triac Twist Set enclosures feature Twist Set strikers which are used to trip the limit switches. These strikers are easily adjusted. Remove cover and set aside. Rotate actuator/valve to full clockwise (CW) position. Adjust striker(s) associated with CW as follows:

Twist the black knob striker to make contact with the CW switch. Continue twisting the striker until the switch trips.

Rotate actuator/valve to full counter-clockwise (CCW) position. Adjust striker(s) associated with CCW as described above except twist striker(s) CCW.

Note: factory setting is top switch = CW (closed), second switch = CCW (open), third switch = CW, and fourth switch = CCW.



## Wiring Instructions

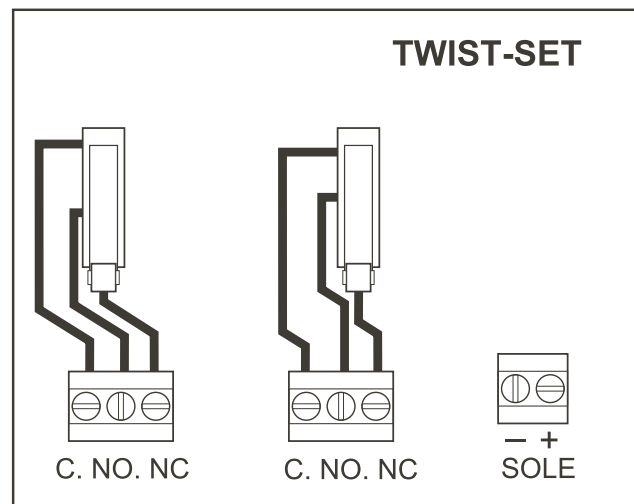
Triac Twist Set enclosures feature prewired switches. All user connections are made at the terminal strip. The below wiring diagram indicates which terminals correspond to switch contacts: normally open, normally closed common, etc. Simply follow the wiring diagram and electric code to connect switches to your system.

Solenoids may also be wired through the Triac Twist Set enclosure. At least two auxiliary terminals are included as standard. Simply wire the solenoid to auxiliary terminals, then connect power leads to the opposite terminal side. Be sure to properly ground the solenoid.

Triac Twist Set series enclosures include two 1/2" conduit entries. Be sure to follow the National Electric Code regulations for rigid conduit, flexible conduit or cable systems as applicable.

### SPDT Mechanical Specifications Model - TS-V3-2

Voltage: Max 250VAC  
10A @ 125VAC / 250VAC



TS-V3-2