

MicroVision EX - Use of Snubbers

A snubber is an energy absorbing device that suppresses voltage spikes (transients) that are often caused when a switch opens in an inductive circuit, e.g., motorized ball valves and pumps.

MicroVision EX controllers are shipped with snubbers installed in each of the eight (8) output relay terminal blocks (see Fig.1) to protect the controller and integrated equipment.

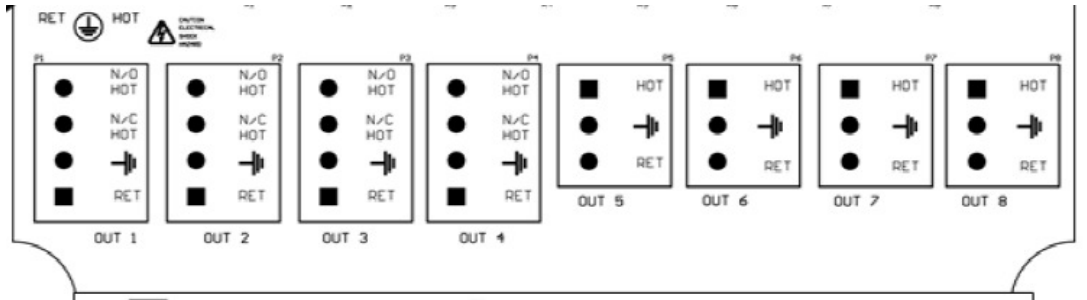


Fig. 1

Relays OUT 1, OUT 2, OUT 3 and OUT 4 have two (2) snubbers installed; output relays five (5) through eight (8) have only one (1) snubber each (see Fig. 2). **All 12 snubbers must remain in place and must not be removed for any purpose.**

⚠ Operating the unit without snubbers may damage the equipment.

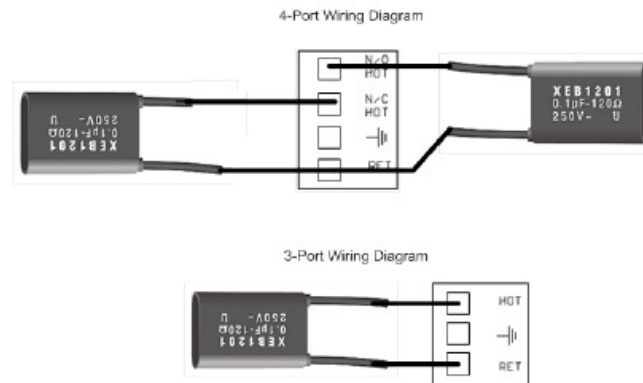


Fig. 2

Hard Wiring: Take care if you are hard wiring to the terminal blocks not to disconnect the snubbers from the terminal blocks.

TIP – With the unit unplugged and completely disconnected from any power source, Check your connections with a slight tug on wires and snubbers to ensure a proper connection.