



# APPLICATION NOTE

## WHAT TESTER CAN I USE TO ACTIVATE BOTH CONVENTIONAL 24 VAC SOLENOIDS AND DC LATCHING SOLENOIDS?

*Battery-operated irrigation controllers are in widespread use - they use "DC Latching Solenoids" to operate valves instead of the regular 24 VAC solenoids. If you want to be able to activate both you can use the popular Pro48 tester from Armada.*

As always the Pro48 can test and activate regular solenoids by connecting the test leads to the circuit and selecting "SOLENOID". The solenoid pulls in with a 'snap' and opens the valve. Move the control switch back to the center OFF position to release the valve.

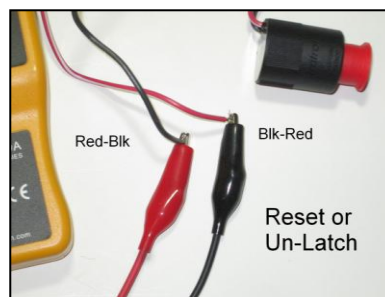
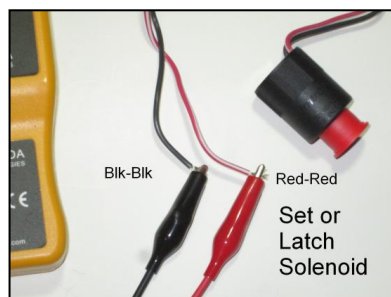


The Pro48's unique pulse circuitry allows it to operate DC latching Solenoids, too.

To set or activate a DC latching solenoid, connect the Pro48's red test lead to the red wire of the solenoid, and black to black. Momentarily select SOLENOID on the Pro48 (this kind of solenoid latches itself and doesn't require constant power to hold it).

To reset or deactivate a DC latching solenoid and its valve, connect the Pro48's red test lead to the black wire of the solenoid, and the black test lead to the red wire. Momentarily select SOLENOID on the Pro48 to release the solenoid from the latched or set state.

This way you can test the valves in a battery-operated system or just be sure of the state of a DC latching solenoid by resetting it.



**NOTE:** Only operate the SOLENOID switch momentarily with DC latching solenoids to preserve tester batteries.