**Timer and Valve Activation Sequence**

When OPMM Receive Automatic Spray command, following sequence will occur:

1. Forward Rotation valve will be activated and forward rotation of OPMM will begin.
2. OPMM will hit limit switch number 3 (DCLS Switch).
3. Gun delay timer will start immediately after limit switch number 3 (DCLS Switch) is triggered.
4. After Gun delay timer elapses, Spray valve will turn on and OPMM will start coating the pipe.
5. During forward rotation, now OPMM will hit Limit switch number 4 (HLS Switch).
6. Then OPMM will hit Limit switch number 3 (DCLS Switch).
7. Now Spray overlap timer will be started.
8. After Spray overlap timer elapses, Spray valve and Forward rotation valve will be turned off.
9. Then the Reverse delay time will be started.
10. As soon as Reverse delay time elapses, Backward rotation valve will be turned on and OPMM will now rotate in backward direction.
11. Same steps, as above, will be repeated for backward rotation.
12. During backward rotation, if it is the last pass, when OPMM hits Limit switch number 3 (DCLS Switch) then Spray Rotn Stop Time will be started.
13. After Spray Rotn Stop Time timer elapses, Backward rotation valve will be turned off and OPMM will return to home position and complete the Spray cycle.