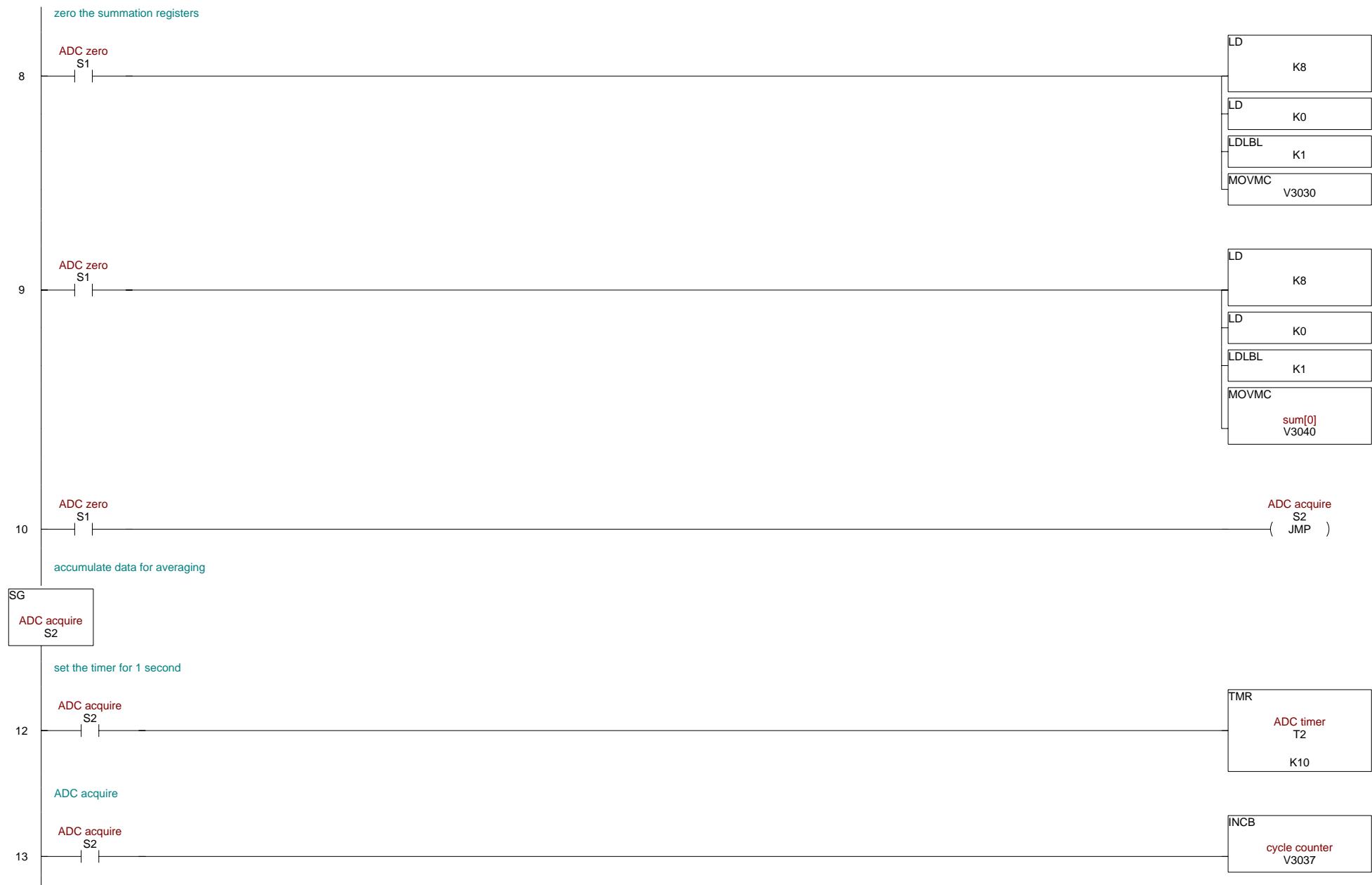


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## 33ID DCM Vacuum Monitor

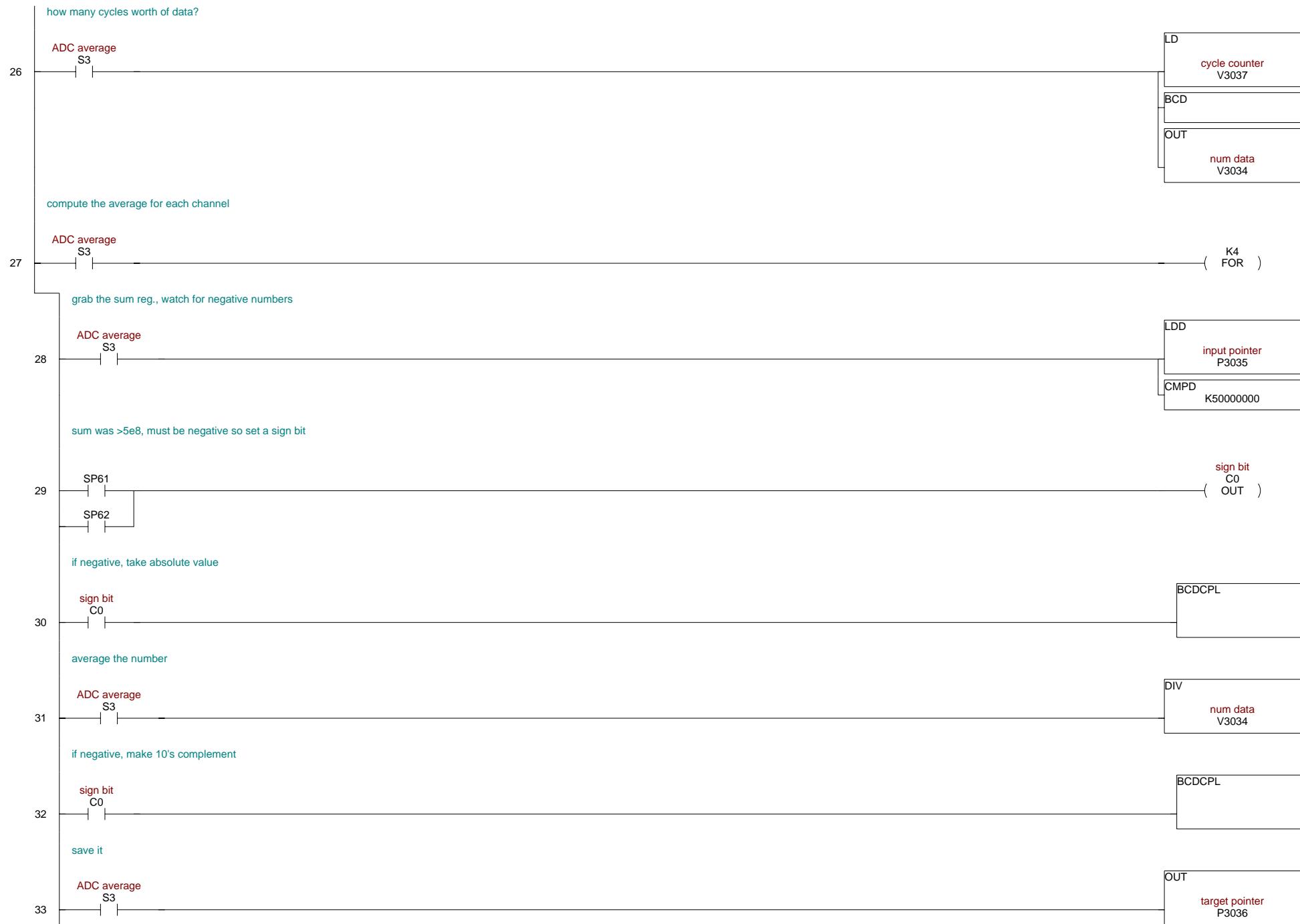
240

dcm-v002



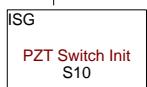








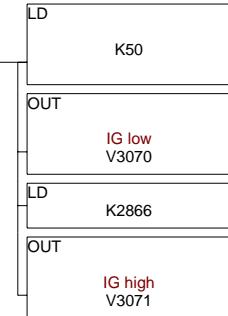
Decide if the PZT should be allowed to be powered up.  
 Make all set points in registers so we can change easily.  
 Use raw ADC units for now. (+10 VDC = 4095, 10's comp storage)



limits for the ion gauge (IG)  
 $k_{50} = 0.12 \text{ VDC} = 1.3e-11 \text{ Torr}$  (on 1.0 range)  
 $k_{2866} = 7 \text{ VDC} = 1e-4 \text{ Torr}$  (on 1.0 range)

43

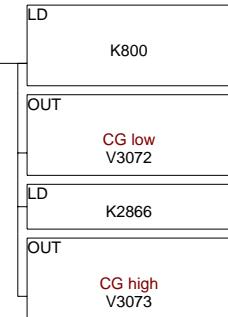
PZT Switch Init  
S10



limits for the convecnon gauge (CG)  
 $k_{50} = 0.12 \text{ VDC} = 1.3e-4 \text{ Torr}$   
 $k_{800} = 1.92 \text{ VDC} = 8.3e-3 \text{ Torr}$  : (with vacuum, CG reads about 2e-3 Torr or so)  
 $k_{2866} = 7 \text{ VDC} = 1e3 \text{ Torr}$

44

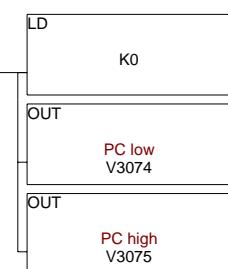
PZT Switch Init  
S10



limits for the ion pump current (PC)

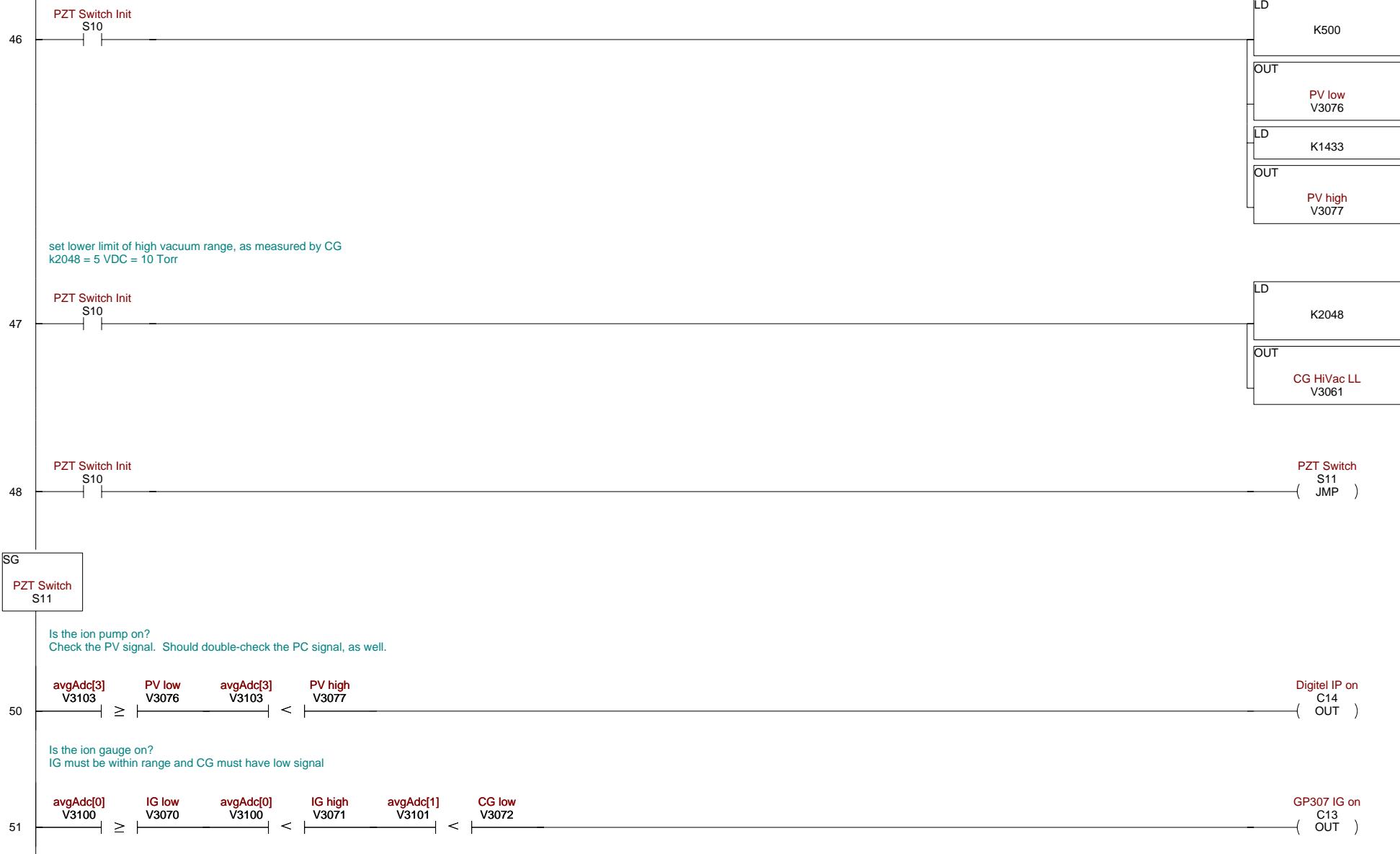
45

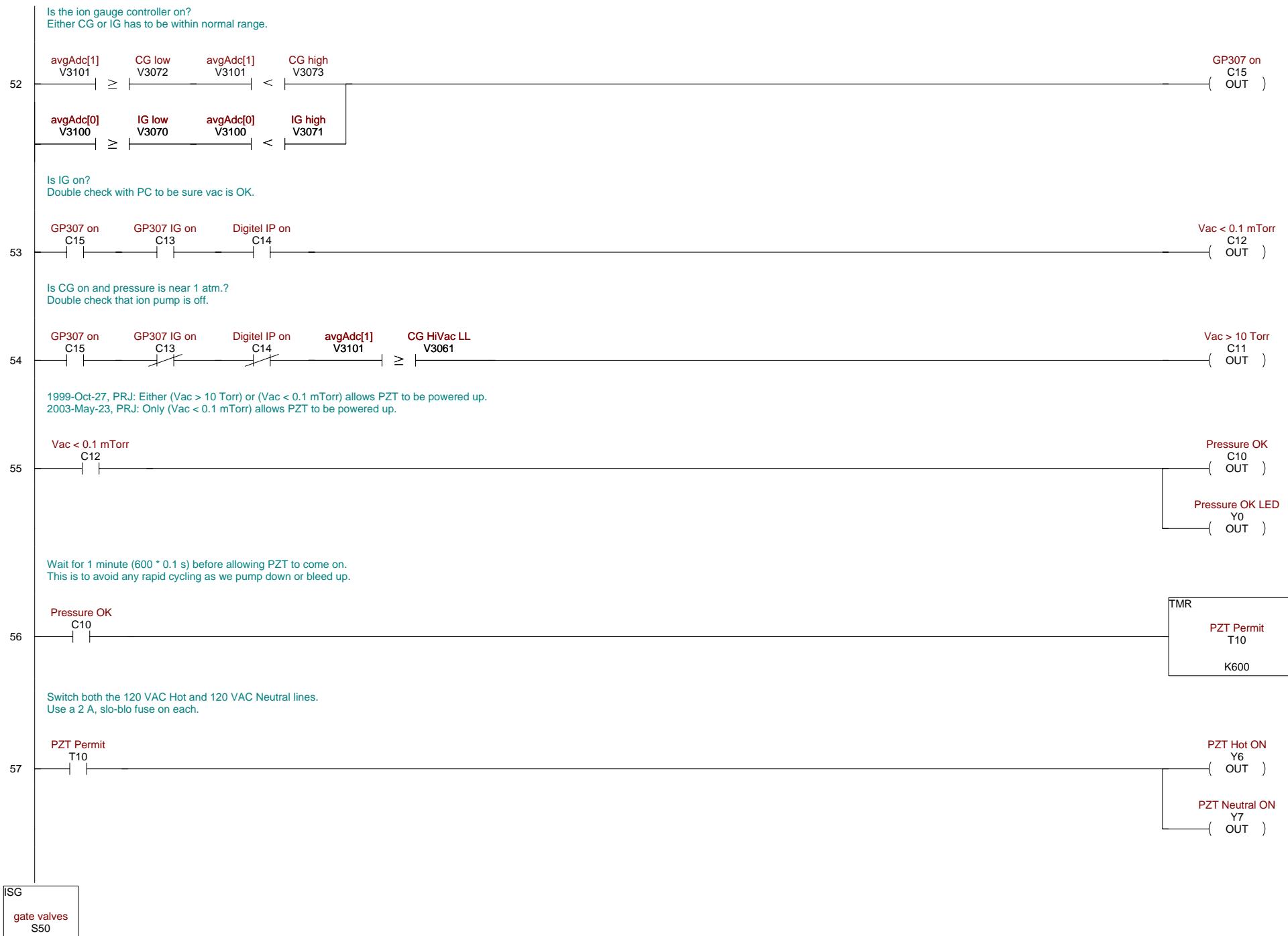
PZT Switch Init  
S10

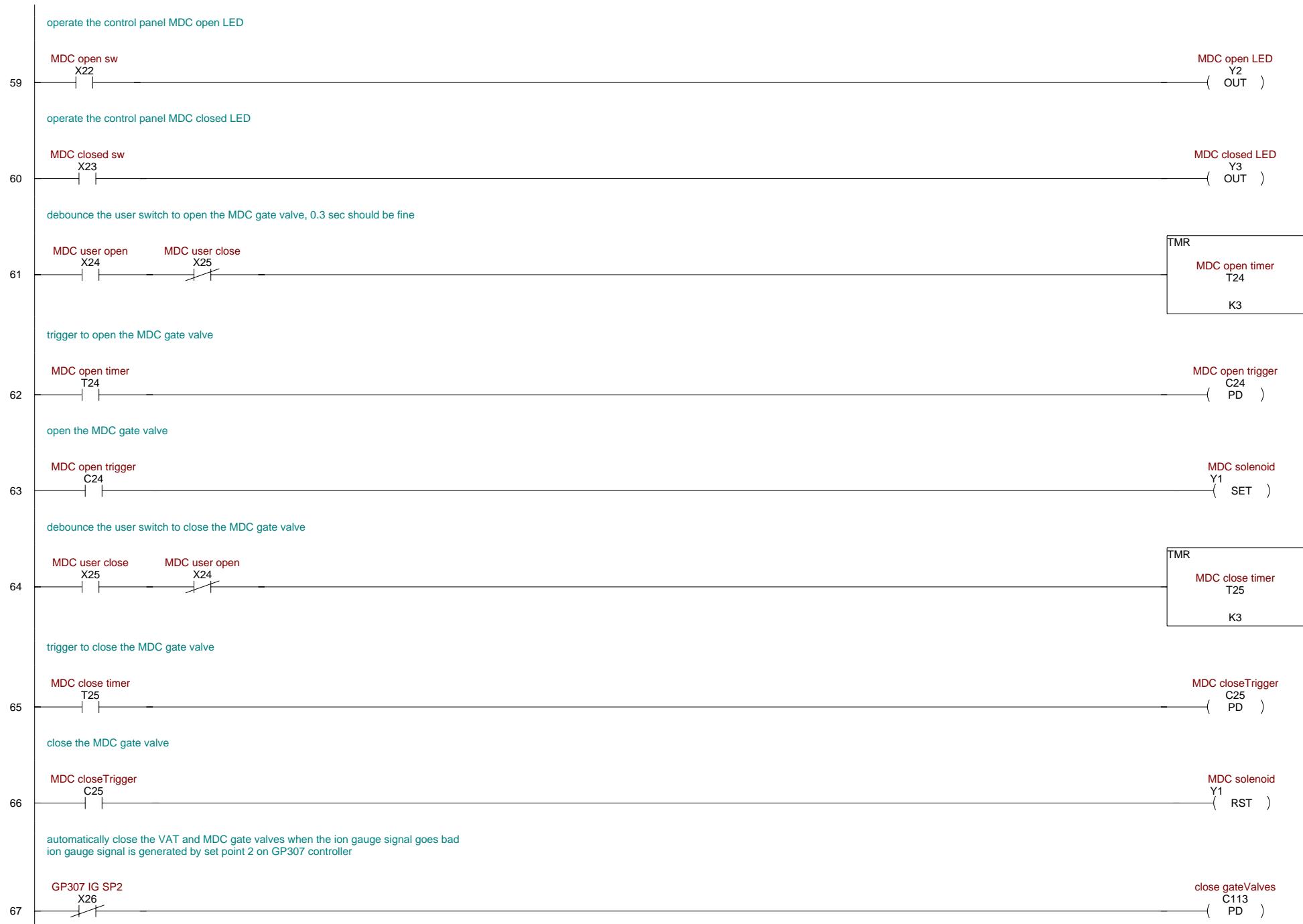


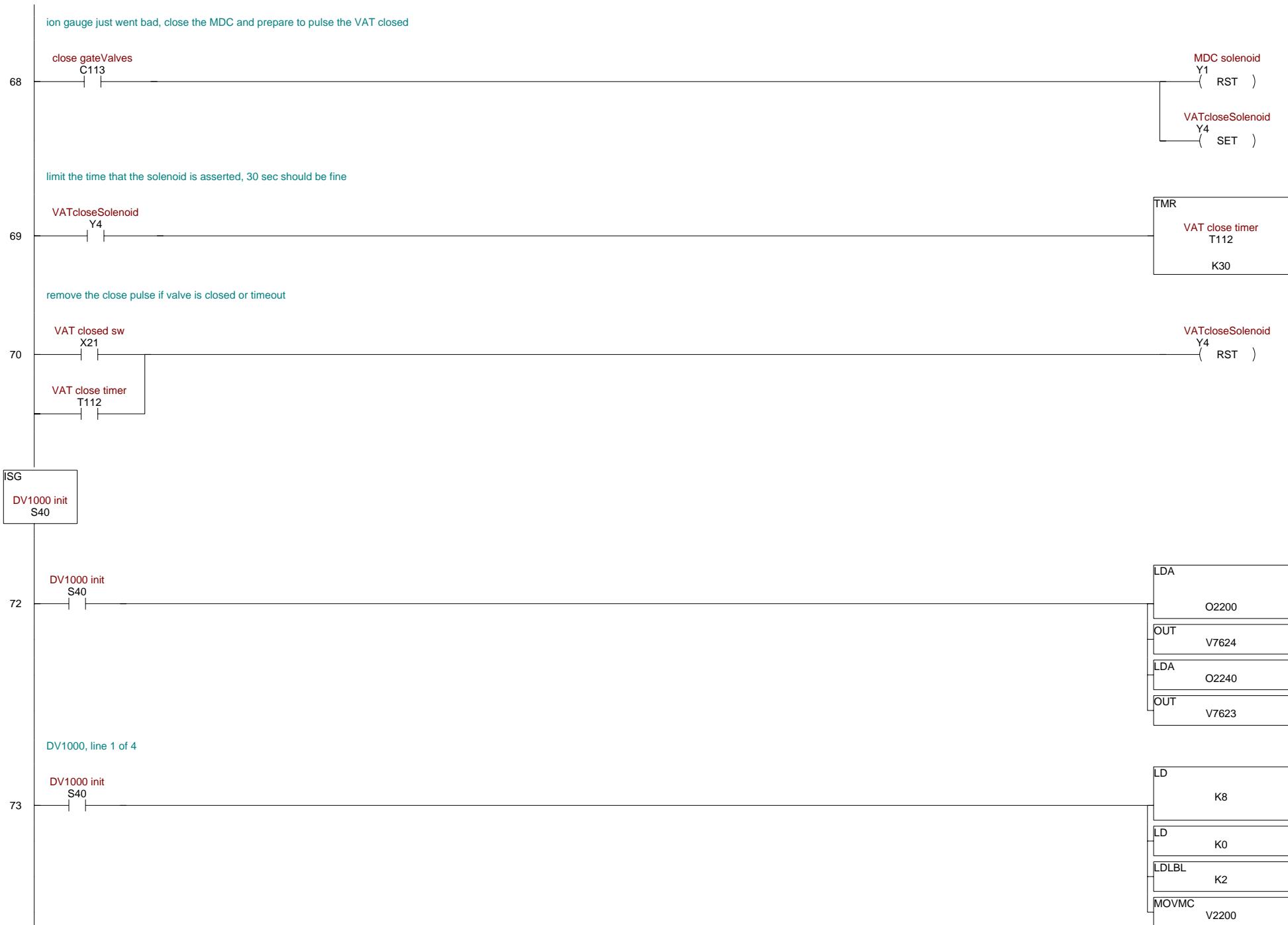
limits for the ion pump voltage (PV)  
 k615 = 1.5 VDC signal = 3000 VDC pump voltage  
 k1433 = 3.5 VDC signal = 7000 VDC pump voltage

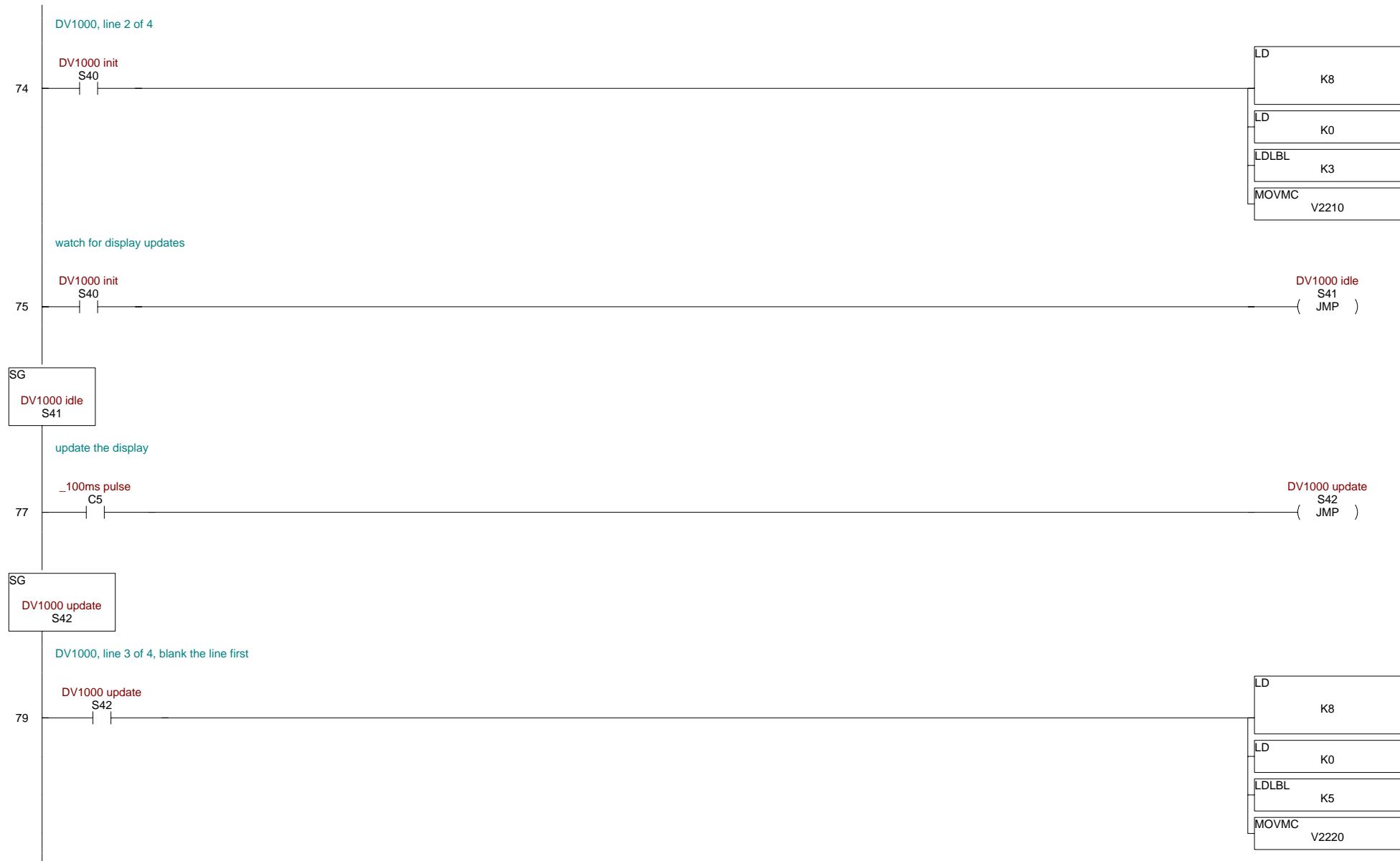
1998/09/10, PRJ: Set low limit to K500 to keep permission ON

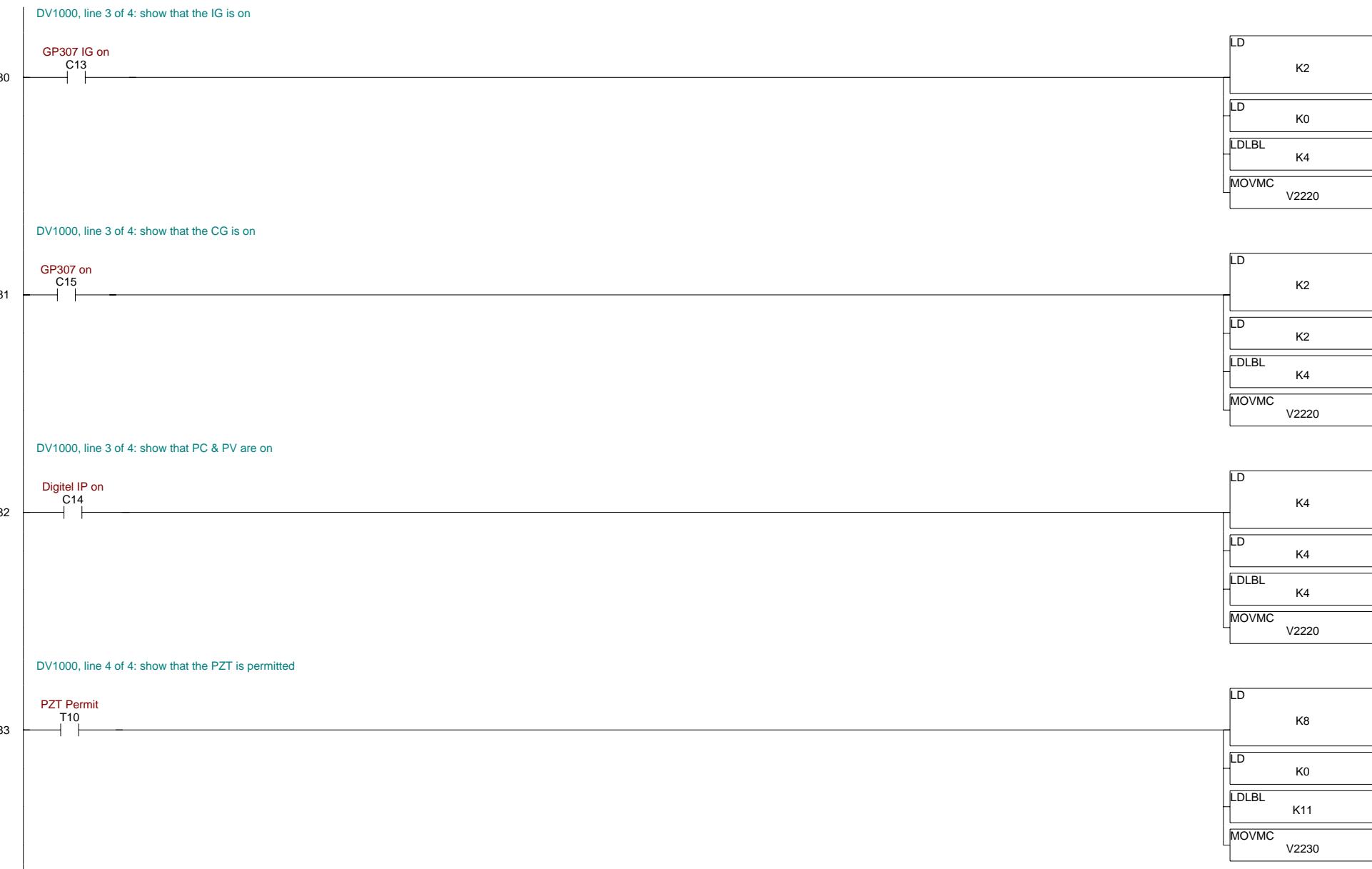


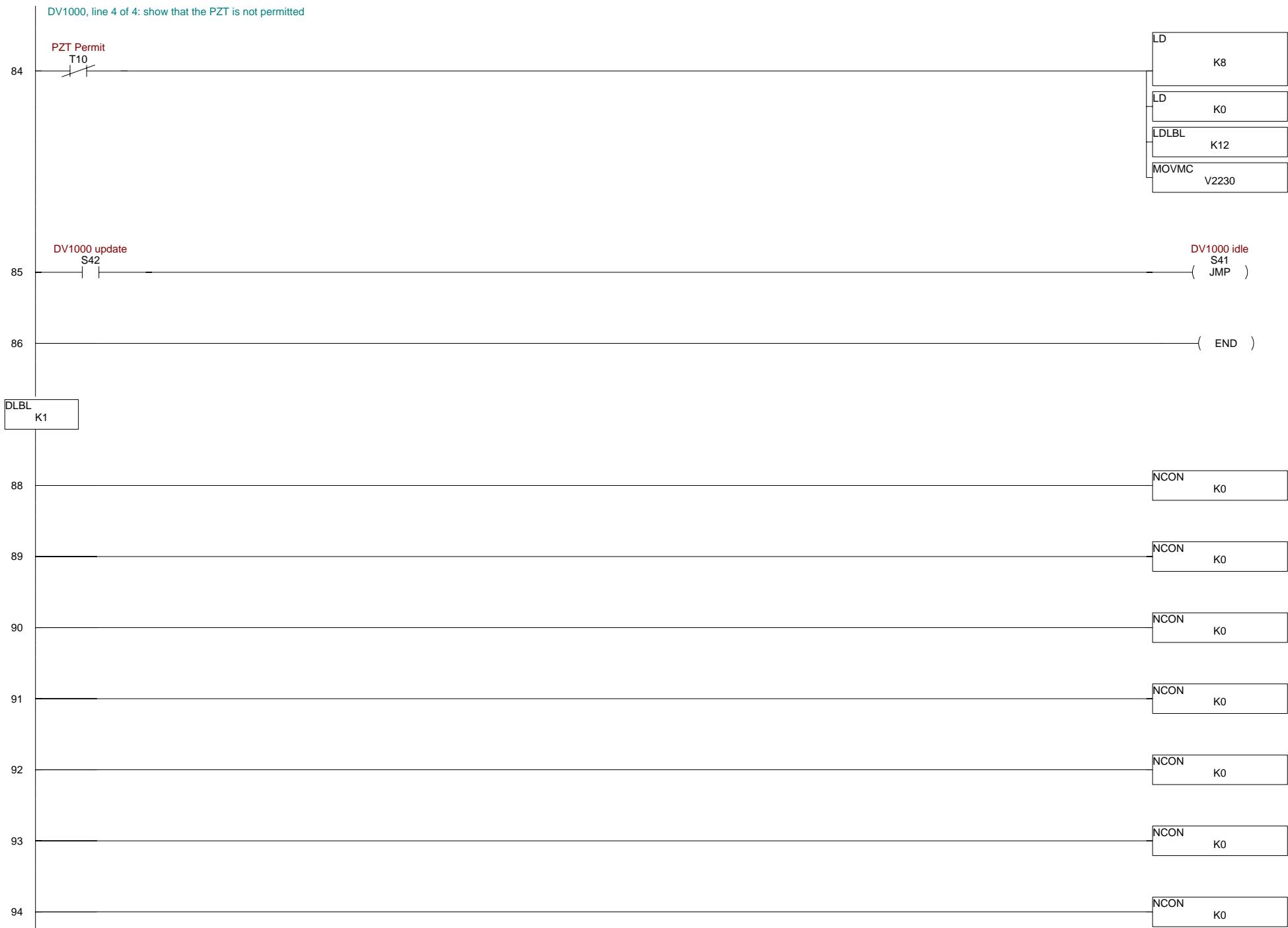












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## 33ID DCM Vacuum Monitor

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dcm-v002



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## 33ID DCM Vacuum Monitor

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dcm-v002

