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***** Pressure Check Station Control *****

Additional internal memory:

Tag	Data Type	
Int_Reset	BOOL	Internal reset
Step_1 to Step_6	BOOL	Step-in-progress bits
Wait_Tmr	TIMER	Times leak test

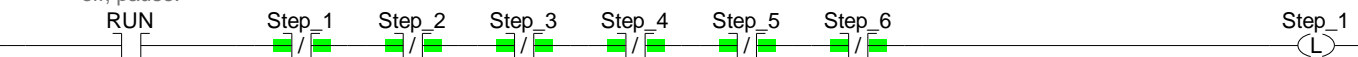
Conversion formulas

$$HD_HGT = (HGT_MEAS/100) * (150-75) + 75$$

$$VLV_PRES = (PRES_MEAS/100) * (100-0) + 0$$

Initial start

When on, allow pressure check station to run. When off, pause.



Step 1. Wait for valve.

Reflective proximity switch that is on when valve is in position to be pressure checked

PROX

<Local:1:I.Data.0>

When on, allow pressure check station to run. When off, pause.



Step 2. Head down.

Pressurizing head height, in mm (REAL)

LEQ

Source A	HD_HGT
	0.0
Source B	VLV_HGT
	0.0

When on, allow pressure check station to run. When off, pause.



Step 3. Pressurize.

Pressure, in psi (REAL)

GEQ

Source A	VLV_PRES
	0.0
Source B	DES_PRES
	0.0

When on, allow pressure check station to run. When off, pause.



Step 4. Wait for pressure check.

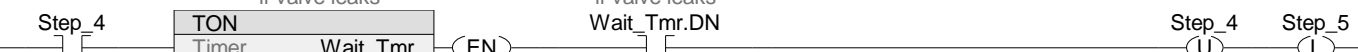
Wait 30 sec to see if valve leaks

TON

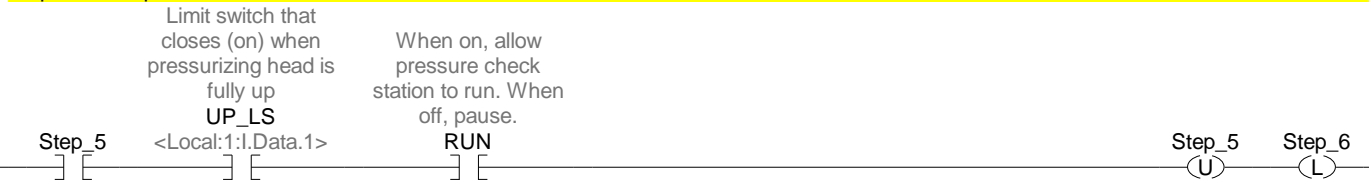
Timer	Wait_Tmr
Preset	30000
Accum	0

Wait 30 sec to see if valve leaks

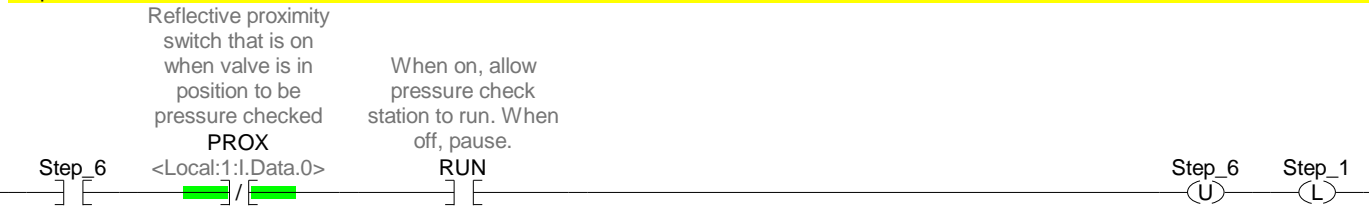
Wait_Tmr.DN



Step 5 Head up.

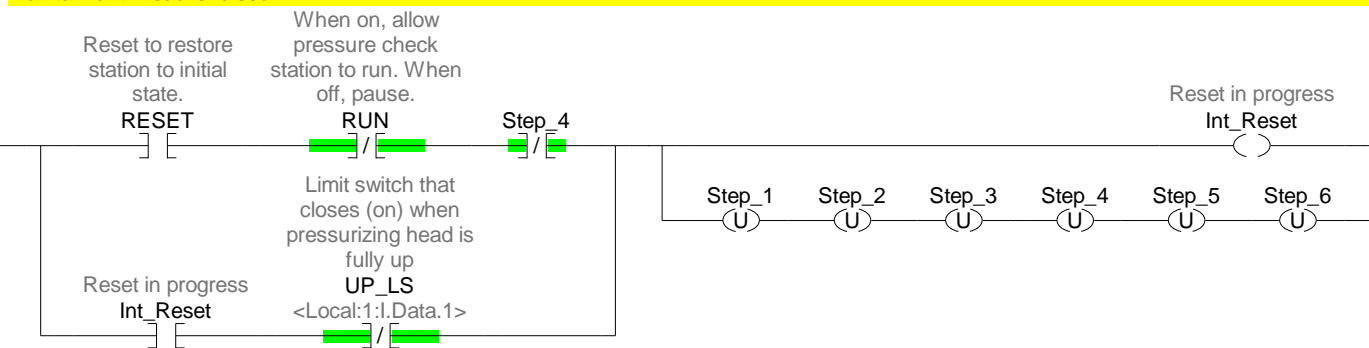


Step 6. Allow to move out.



Reset

Maintain until head is raised.



***** Outputs *****

Head raise/lower. Off when paused. Raise when reset.



