Pluto Manager - Variable listing Pluto 0

File=C:\Users\joaoprod\Documents\GitHub\lsstCamVacPLC\firmware\vaccum_ps_01.sps

Name=<FILENAME>

File date=10/22/2018 7:53:14 PM Print date=10/25/2018 1:28:40 PM PLC CRC=71C9



Pluto 0

I0.0=HVTurboUnder10 ;HEX Vacuum Gauge for interlock safety VHX-UTT-GCC-01 Relay 2 (<10 Torr NO)U

IO.3=CVTurboUnder10 ;Cryostat Turbo Vac VCR-UTT-GCC-01 Relay 2 (<10 Torr NO)

I0.6=HVTurboPumpOFF ;

I0.7=CVTurboPumpOFF ;

I0.30=MainVcrVgcOpen;CVR-UTT-VGC-00 OpenI0.31=MainVcrVgcClose;CVR-UTT-VGC-00 CloseI0.32=MainVhxVgcOpen;VHX-UTT-VCC-01 OpenI0.33=MainVhxVqcClose;VHX-UTT-VCC-01 Close

I0.34=MKS925 ;Roughing Pump

I0.35=CV01 ;VCR-UTT-GCC-00 Relay 1 (<0.1 Torr NO) and VCR-UTT-GCC-01 Relays 1 (<0.001 Torr NO)

I0.36=CV0001 ;VCR-UTT-GCC-00 Relay 2 (<0.001 Torr NO)

IO.37=HV01 ;VHX-UTT-GCC-00 Relay 1 (<0.1 Torr NO) and VHX-UTT-GCC-01 Relays 1 (<0.001 Torr NO)

I0.40=HV0001;VHX-UTT-GCC-00 Relay 2 (<0.001 Torr NO)</th>Q0.0=CVStat;Cryostat Vacuum Status PRT-UTT-PLC-03/I6Q0.1=HVStat;HEX-Can Vacuum Status PRT-UTT-PLC-03/I5

Q0.2=MainVcrVcc ;Cryostat VCR-UTT-VCC-00 Q0.3=MainVhxVcc ;HEX-Can VHX-UTT-VCC-01

Q0.4=VcrPumpPerm ;Cryo Turbo Pump Permit VCR-UTT-PCT-00/J1-3 Q0.5=VhxPumpPerm ;HEX-Can Turbo Pump Permit VHX-UTT-PCT-01/J1-3

Q0.10=APower ;VCR-UTT-VCC-00
Q0.11=BPower ;VHX-UTT-VGC-00
Q0.12=CPower ;roufhing pump contact
Q0.20=VcrVcc01 ;VCR-UTT-VCC-01
Q0.21=VcrVcc02 ;VCR-UTT-VCC-02
Q0.22=VcrVcc03 ;VCR-UTT-VCC-03
Q0.23=VcrVcc04 ;VCR-UTT-VCC-04

M0.0=VcrVcc01Open ; M0.1=VcrVcc01Close ; M0.2=VcrVcc02Open ; M0.3=VcrVcc02Close ; M0.4=VcrVcc03Open ; M0.5=VcrVcc03Close ;

M0.6=VcrVcc04Open ;
M0.7=VcrVcc04Close ;
M0.15=HVInterlockHigh ;
M0.16=CVInterlockHigh ;

M0.17=HVInterlockHighFilter ;
M0.20=CVInterlockHighFilter ;

M0.21=HVInterlockHighLatchStatus ;
M0.22=CVInterlockHighLatchStatus ;

M0.23=HVStatLatchReset ; M0.24=CVStatLatchReset ;

M0.25=CVStatkBlock ;
M0.26=HVStatBlock ;
M0.32=HVTurboPumpON ;

M0.34=CVTurboPumpON ; M0.40=OpenMainVcrVcc ;

M0.41=CloseMainVcrVcc ;
M0.42=MainVcrVccAlowedOpen ;
M0.43=MainVcrVccAllowedOpenLatch ;

M0.44=MainVcrVccAllowedOpenLatchStatus ;
M0.45=MainVcrVccAllowedOpenLatchReset ;
M0.46=MainVcrVccForcedClose :

M0.47=MainVcrVccNotForcedCloseLatch

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MO 49 - Main Ver Vec Not Forced Closed at short at us	
M0.48=MainVcrVccNotForcedCloseLatchStatus	;
M0.49=MainVcrVccNotForcedCloseReset	<i>;</i>
M0.50=VcrPumpPermLatchStatus	,
M0.51=VcrPumpPermReset	,
M0.52=VcrPumpPermBlock	;
M0.60=OpenMainVhxVcc	;
M0.61=CloseMainVhxVcc	;
M0.62=MainVhxVccAlowedOpen	;
M0.63=MainVhxVccAllowedOpenLatch	;
M0.64=MainVhxVccAllowedOpenLatchStatus	;
M0.65=MainVhxVccAllowedOpenLatchReset	;
M0.66=MainVhxVccForcedClose	;
M0.67=MainVhxVccNotForcedCloseLatch	;
M0.68=MainVhxVccNotForcedCloseLatchStatus	;
M0.69=MainVhxVccNotForcedCloseReset	;
M0.70=VhxPumpPermLatchStatus	;
M0.71=VhxPumpPermReset	;
M0.72=VhxPumpPermBlock	;
M0.80=CVInterlockHighLatchNeedsReset	;
M0.81=MainVcrVccNotForcedCloseLatchNeedsReset	;
M0.82=MainVcrVccAllowedOpenLatchNeedsReset	:
M0.83=VcrPumpPermLatchNeedsReset	:
M0.84=HVInterlockHighLatchNeedsReset	:
M0.85=MainVhxVccNotForcedCloseLatchNeedsReset	
M0.86=MainVhxVccAllowedOpenLatchNeedsReset	
M0.87=VhxPumpPermLatchNeedsReset	
M0.100=ToGate0	
M0.101=ToGate1	
M0.101=10Gate1 M0.102=ToGate2	
	,
M0.103=ToGate3	;
M0.104=ToGate4	;
M0.105=ToGate5	;
M0.106=ToGate6	;
M0.107=ToGate7	;
M0.108=ToGate8	;
M0.109=ToGate9	;
M0.110=ToGate10	;
M0.111=ToGate11	;
M0.112=ToGate12	;
M0.113=ToGate13	;
M0.114=ToGate14	;
M0.115=ToGate15	;
M0.116=ToGate16	;
M0.117=ToGate17	;
M0.118=ToGate18	;
M0.119=ToGate19	;
DR0.22=ap0	;
DR0.36=apt1	;
DR0.38=apt2	;
DR0.40=apt22	;
DR0.42=apt3	;
DR0.44=apt33	:
DR0.46=apt333	:
DR0.48=final0	;
DR0.50=final1	;
DR0.52=final2	
D1.0.32-1111012	,

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DR0.54=final3	;
DR0.62=ln	;
DR0.64=In0	;
DR0.66=ln1	;
DR0.68=ln11	;
DR0.70=ln2	;
DR0.72=ln22	;
DR0.74=ln111	;

SM0.3=SM_1Hz ;1Hz pulses, On during one cycle SM0.4=SM_10Hz ;10Hz pulses, On during one cycle