Magicc 3 Sample Select box using MKS 649/640 pressure controllers. 2017-03-07 Valco Universal Actutator Two RS232 ports for the universal 24VDC supply actuator (9-pin M D connectors). circuit breaker 2A 250VAC +15 VDC +-15VDCV @ 1A XP Power ECL30UD02-S com -15 VDC 120 VAC power entry module Sensor Signals Out panel connector (6f) UPS low battery alarm 6 20K Manifold Press Signal Out 5 MKS 640B or 649B Pressure Controller Idle Press Signal Out 4 (15 pin F D connector) Valve Test Point Flow Outr Pot 5V regulator Flow Output (649B) 9 Sample Flow Signal Out 3 LM340-5 2 Pressure Signal Out Optional Input 10 Sample Press Signal Out 2 3 Valve Close 1uF Input Lo Signal Common 11 Input Hi 4 Valve Open Signal Common 12 Datel Panel Display -5 V DMS-30PC-1-GS-C Analog Com 5 Power Common Trip Point A Out 13 Pressure +1.23V Ref Out DP3 6 -15 VDC Trip Point B Out 14 DP2 0-10V -> 0 - 1000 torr Reference Out 7 +15 VDC Chassis Ground 15 Local Control DP1 Reference In 8 Set Point Input 1uF Adjustment → +15 VDC 20K MKS Valve Close Relay Signal In panel connector (5m) 5K Pot. Idle valve open 5 Idle valve close 4 Input Lo Sample valve open 3 Test Datel Panel Display -5 V DMS-30PC-1-GS-C Input Hi Analog Com Sample valve close 2 DP3 Flow +1.23V Ref Out DP2 0-10V -> 0 - 1000 sccmReference Out DP1 Reference In 20K MKS 640B or 649B Pressure Controller 5K (15 pin F D connector) 1 Valve Test Point Flow Outr Pot. Flow Output (649B) 9 2 Pressure Signal Out Optional Input 10 3 Valve Close +5 V Input Lo Signal Common 11 4 Valve Open Input Hi Signal Common 12 Test Datel Panel Display 5 Power Common -5 V DMS-30PC-1-GS-C Analog Com Trip Point A Out 13 +1.23V Ref Out DP3 6 -15 VDC Pressure Trip Point B Out 14 DP2 0-10V -> 0 - 1000 torr Reference Out 7 +15 VDC 10K Chassis Ground 15 Local Control DP1 Reference In 8 Set Point Input Adjustment → +15 VDC 20K 5K UPS Low Battery Indicator Sample gas: MKS 872B Pressure Transducer Pot. panel connector (3m) F 9 pin D connector Pressure Signal Out +5 V Input Lo From UPS relay 2 Input Hi **Datel Panel Display** Signal Common 8 -5 V DMS-30PC-1-GS-C Analog Com To UPS relay 1 4 Power Input Power Return DP3 +1.23V Ref Out Pressure DP2 Reference Out 0-5V -> 0 - 1000 torr DP1 Reference In





