Modifications to HMS Q3 Control Rack Wiring

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Installed an Edwards WRG on the HMS vacuum off a valve located on top of the chamber just upstream of the exit window. Ran a cable from the WRG to HMS Q3 control rack TS-20. The gauge gets its power via channel 0 from PLC slot 4 relay. Its signal is conditioned by a Dataforth module and is read out by channel 11 PLC slot 7. Made to following modifications to rack wiring:

1. At TS-20
	1. Connect WRG supply +24 VDC (grey) to 1
	2. Connect WRG supply common (orange) to 2
	3. Connect WRG signal + (black) to 3
	4. Connect WRG signal common (green) to 4
2. At TS-PLC-04
	1. Disconnect 0-1 and label
	2. Disconnect 1-1 and label
	3. Disconnect 0-2 (part of a bus)
	4. Disconnect 1-2 (part of a bus)
	5. Move jumper from TS-PLC-03 from 0-2 to 2-2
	6. Connect 0-3 t0 4-3 (common)
	7. Connect 0-2 to 4-2 (+24 VDC)
	8. Connect 0-3 to TS-20-2
	9. Connect 0-1 to TS-20-1
3. At Dataforth panel 4 TB8
	1. Connect TS-20-3 to 2
	2. Connect TS-20-4 to 3
4. At TS-PLC-07
	1. Connect 12-2 to pin 24 Dataforth output
	2. Connect 12-1 to pin 23 Dataforth output
5. At Dataforth panel 4
	1. Disconnect power
	2. Install Dataforth module (m/n SCM5B31-03D s/n 63590-31)
	3. Reconnect power

