

Notes:

1. Some Voltage taps are not being used at all. These are: VT1, VT6, VT12, VT18, and VT23. Do you want these wired to the connectors in any case? I recommend against making measurements based on signals obtained from multiple coil packages. This will make the internal wiring problematic. For example I recommend CT1-VT5 - CT1-VT6 versus CT1-VT5 - CT2 - VT8.

Yes, we want all the voltage taps wired and connected.

I have changed the pairing as suggested by you. Also please take note of the new twisted pairs required across the coils and current leads.

2. The Danfysik Quench detectors will monitor the overall magnet and current leads but not individual coil packages?

The quench detector monitors across the coil and the current leads. I've updated the channels that need to be wired in the table below.

3. All 123 temperatures will be monitored in the PLC?  
Yes.

4. You say "8 are wired to quench detector - what taps? I see 6.

		Taps	Taps
Channel 1		CL_LW(Absolute)	
Channel 2		CL_RW(Absolute)	
Channel 3	Upper(Coil 1)	CL_LC	C1_VT6
	Lower(Coil 4)	C4_VT20	C4_VT23
Channel 4	Upper(Coil 2)	C2_VT8	C2_VT12
	Lower(Coil 3)	C3_VT14	C3_VT18

5. All 24 Strain Gauges are monitored in the PLC?  
Yes

6. We need to know how all of the temperatures and strain gauges are distributed amongst the coils.

I have attached a sheet of the distribution along with the updated signal list. It gives instrumentation detail throughout. It's a personal copy I had made for myself, so let me know if you have any questions on that.