

LP170/LP175 COMPRESSOR & HEAT EXCHANGER CONTROLLER

NOTES:

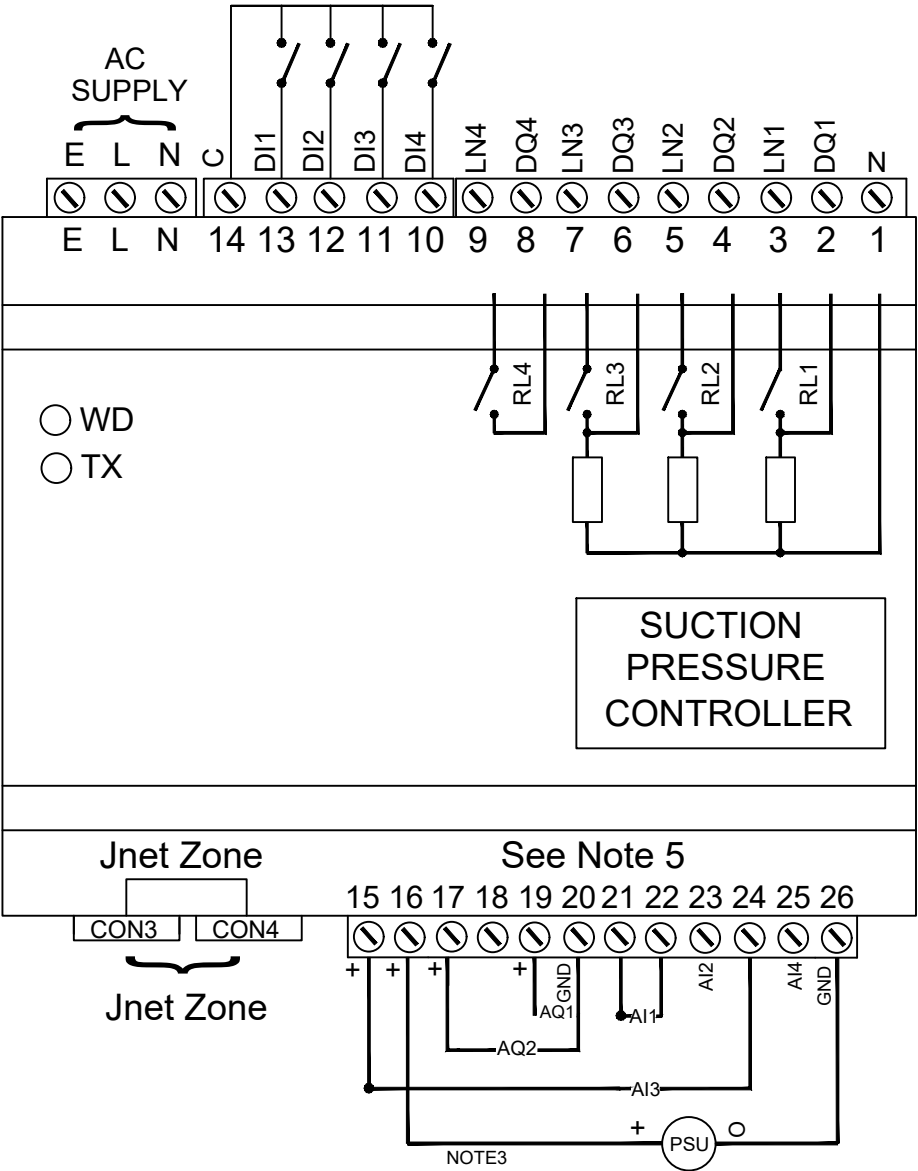
- 1. Inputs are volt free contacts using internal 15V ac supply.
- 2. To ensure that internally fitted suppressors work correctly, connect line voltages to terminals prefixed LN and the corresponding loads to terminals prefixed DQ. Ensure neutral is connected to terminal marked N.
- 3. AQ2 current source output requires a dc supply between terminal 16 & 26 from the external equipment.
- 4. Relay 4 is NOT a suppressed output.
- 5. LP170 connector pitch 5.08mm.
LP175 connector pitch 3.50mm.

Analogue Connections

OUTPUT		
AQ1	0-10V	Compressor Inverter
AQ2	4-20 mA	Heat Exchanger Drive
INPUT		
AI1	TP501	Suction Temperature
AI2	TP501	Not used
AI3	4-20 mA	Suction Pressure
AI4	4-20 mA	Not used

Digital Connections

OUTPUT (See note 2)		
DQ1	Suppressed	Run Inverter
DQ2	Suppressed	Compressor Control ok
DQ3	Suppressed	Not used
DQ4	Unsuppressed	HE Control Enable
INPUT (See note 1)		
DI1	Volt Free	Auto
DI2	Volt Free	Plant ok
DI3	Volt Free	Heat Exchanger Unload
DI4	Volt Free	Compressor & Inverter ok



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ISSUE	DESCRIPTION	APP'D	DATE
3	ADDED LP175 & NOTE 5	MJK	07/18
2	UPDATED INPUT & OUTPUT TABLES	MJK	04/18
4	REVERSED DIGITAL INPUTS	MJK	08/18

TITLE:
**COMPRESSOR & HEAT EXCHANGER
CONTROLLER**

PROJ.	DRG No:	SHT	OF	ISS.
	04990	1	1	4

DRG TYPE: **CONNECTIONS DIAGRAM**