

IF39 TRANSCRITICAL PLANT INTERFACE APPLICATION DRAWING

Analogue Connections

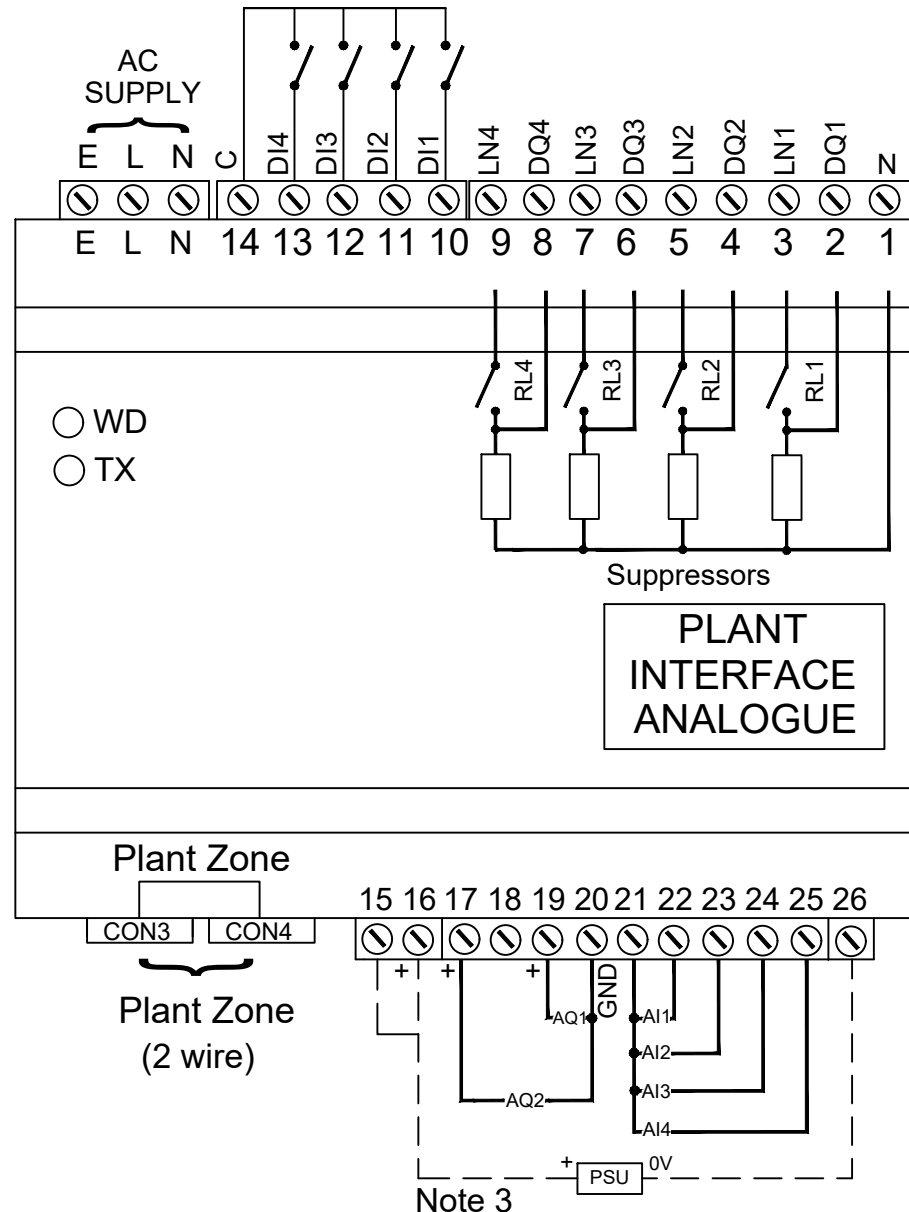
OUTPUT		
AQ1	0-10V	Compressor Inverter
AQ2	4-20mA	Liquid Pressure Valve (See Note 3)
INPUT		
AI1	TP501	Suction Temperature
AI2	TP501	Discharge Temperature
AI3	TP501	Liquid Temperature
AI4	TP501	Not used

Digital Connections

OUTPUT (See Note 2)		
DQ1	Suppressed	Run Compressor
DQ2	Suppressed	Enable Flash Gas Valve
DQ3	Suppressed	Not used
DQ4	Suppressed	Not used
INPUT (See Note 1)		
DI1	Volt Free	Compressor OK
DI2	Volt Free	Inverter OK
DI3	Volt Free	Liquid Valve OK
DI4	Volt Free	Not used

CONFIGURATION (See Note 4)		
ITEM	VALUE	FUNCTION
30	3	INVERTER & FLASH GAS
37	3	COMMUNICATIONS PROTOCOL MODBUS RTU
36	4	COMMUNICATIONS 9600 BAUD

SEE ITEM NUMBERS OR USER GUIDE
FOR ADDITIONAL SETTINGS



NOTES:

- Inputs are volt free contacts using internal 15V ac supply.
- 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.
- AQ2 current source output requires 15 - 24Vdc supply. This supply can be from terminal 15 or from an external supply or from the valve drive module. However the ground (GND) should not be commoned to other JTL modules.
- Interface function and backup settings must be configured according to application using JTL Maintenance Unit.



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ISSUE	DESCRIPTION	APP'D	DATE
3	ITEM 30 CONFIG FUNCTION UPDATED	MJK	04/19
2	ADDED NOTE 4 & CONFIG TABLE	MJK	04/18
4	ANALOGUE CONNECTION AI3 UPDATED	MJK	04/19

TITLE:

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