

# HP150 TRANSCRITICAL CONTROLLER

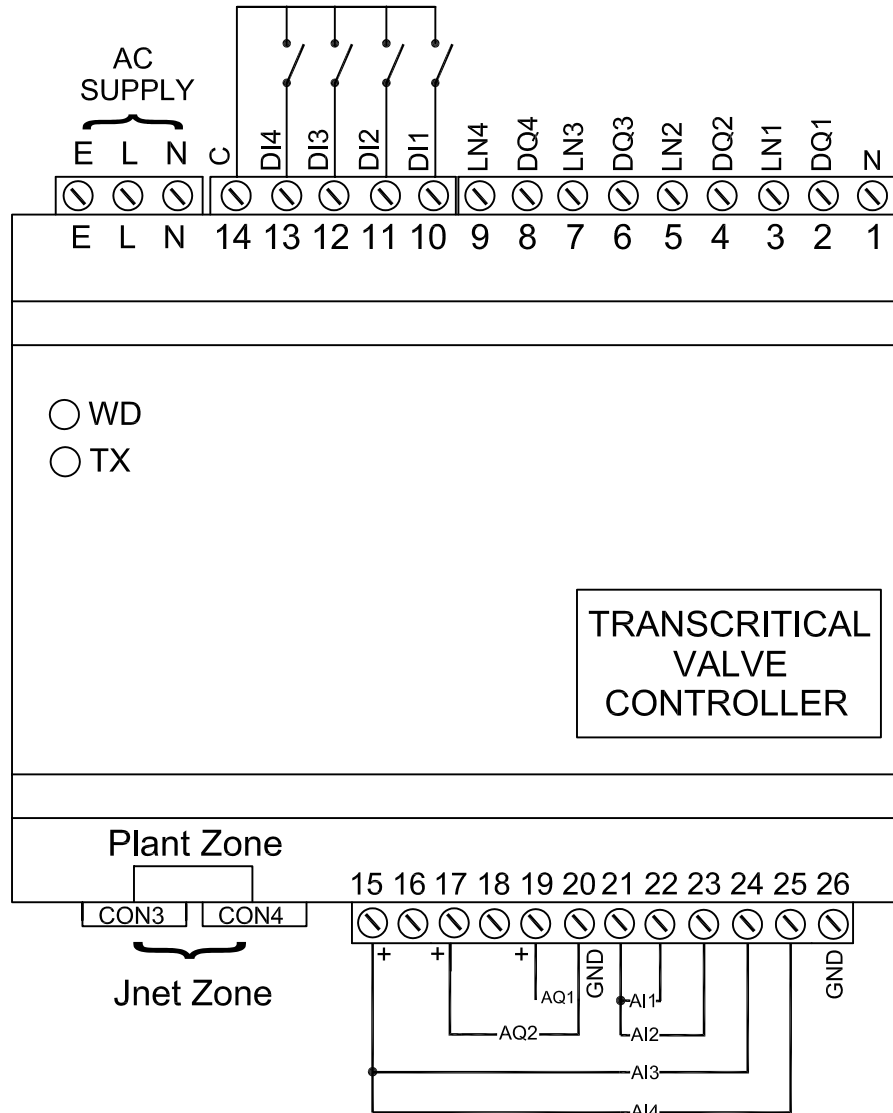
## APPLICATION DRAWING/CONNECTIONS DIAGRAM

### Analogue Connections

OUTPUT		
AQ1	0-10V	Fan Speed
AQ2	0-10V	Transcritical Valve
INPUT		
AI1	TP501	Cooled Gas Temperature
AI2	TP501	Ambient Temperature
AI3	4-20mA	Cooler Pressure
AI4	4-20mA	Liquid Pressure

### Digital Connections

OUTPUT		
DQ1	Suppressed	Not used
DQ2	Suppressed	Enable Flash Gas Valve
DQ3	Suppressed	Watchdog
DQ4	Suppressed	High Discharge Pressure
INPUT		
DI1	Volt Free	Valve Fault
DI2	Volt Free	Fan Healthy
DI3	Volt Free	Low Liquid
DI4	Volt Free	Auto



### 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.



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TITLE: **HP150 TRANSCRITICAL VALVE CONTROLLER APPLICATION DRAWING/ CONNECTIONS DIAGRAM**

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