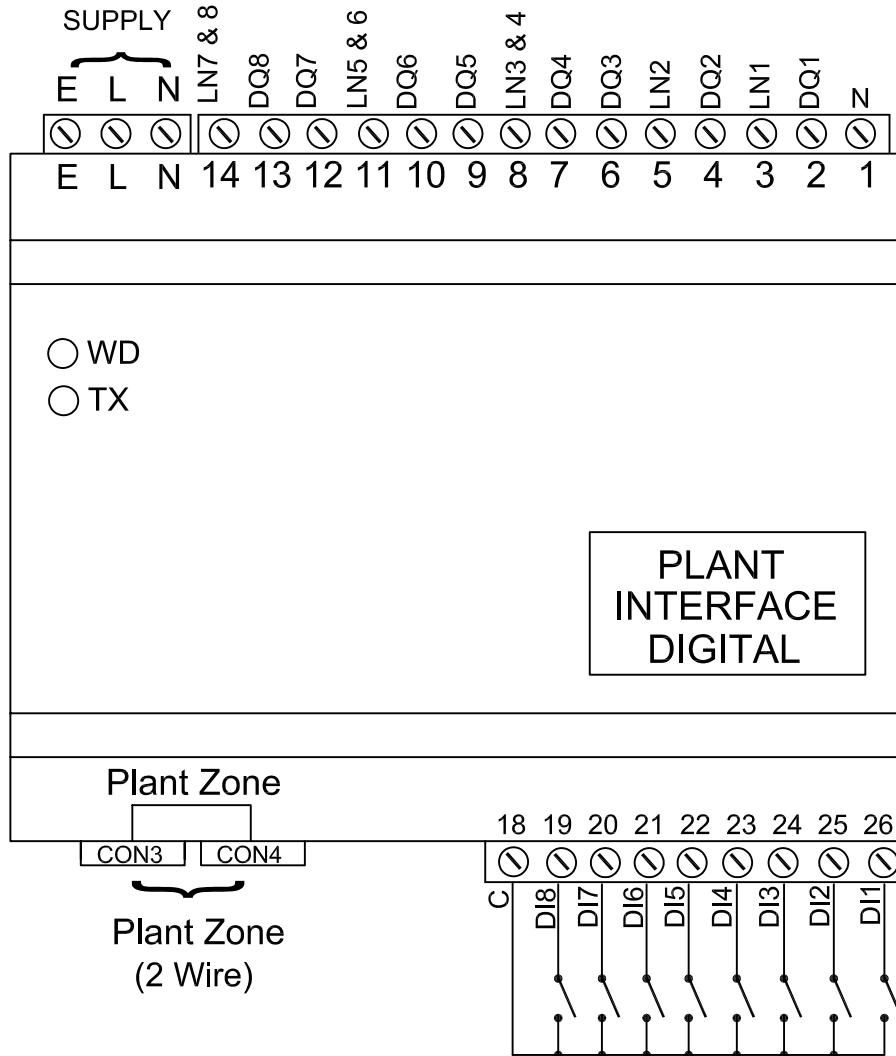


IF31 COMPRESSOR CONTROL INTERFACE 1 APPLICATION DRAWING FOR USE WITH LP41x, LP42x, LP43x & LP45x

Digital Connections

| OUTPUTS (See Note 7) | | |
|----------------------|------------|--------------------------------------|
| DQ1 | Suppressed | Compressor Control 1 |
| DQ2 | Suppressed | Compressor Control 2 |
| DQ3 | Suppressed | Compressor Control 3 |
| DQ4 | Suppressed | Compressor Control 4 |
| DQ5 | Suppressed | Compressor Control 5 |
| DQ6 | Suppressed | Compressor Control 6 |
| DQ7 | Suppressed | Compressor Control 7 |
| DQ8 | Suppressed | Compressor Control 8 |
| INPUTS (See Note 6) | | |
| DI1 | Volt Free | Staged Compressor 1 Available to Run |
| DI2 | Volt Free | Staged Compressor 2 Available to Run |
| DI3 | Volt Free | Staged Compressor 3 Available to Run |
| DI4 | Volt Free | Staged Compressor 4 Available to Run |
| DI5 | Volt Free | Staged Compressor 5 Available to Run |
| DI6 | Volt Free | Staged Compressor 6 Available to Run |
| DI7 | Volt Free | Staged Compressor 7 Available to Run |
| DI8 | Volt Free | Staged Compressor 8 Available to Run |

| CONFIGURATION | | |
|---------------|-------|---------------------------------------|
| ITEM | VALUE | FUNCTION |
| 30 | 1 | INTERFACE NO |
| 37 | 3 | COMMUNICATIONS PROTOCOL MODBUS RTU |
| 36 | 4 | COMMUNICATIONS 9600 BAUD |



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. Interface must be configured according to function using JTL Maintenance Unit.
4. Item 36 must be set to 9600 baud.
5. Up to 2 IF31 can be used.
6. Inputs on Interface 1 are for compressors 1-8.
7. Outputs are programmable for compressor run & unloader see items 510 to 629.

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| 4 | UPDATED DIGITAL CONNECTIONS | DLT | 06/17 |
| 3 | ADDED LP45x | DLT | 03/17 |
| 2 | ADDED CONFIG TABLE & NOTES 3 - 6 | MJK | 11/13 |

TITLE:
**IF31 COMPRESSOR CONTROL INTERFACE 1
APPLICATION DRAWING**

| | | | | |
|-------|-------------------------|----------|----------|----------|
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