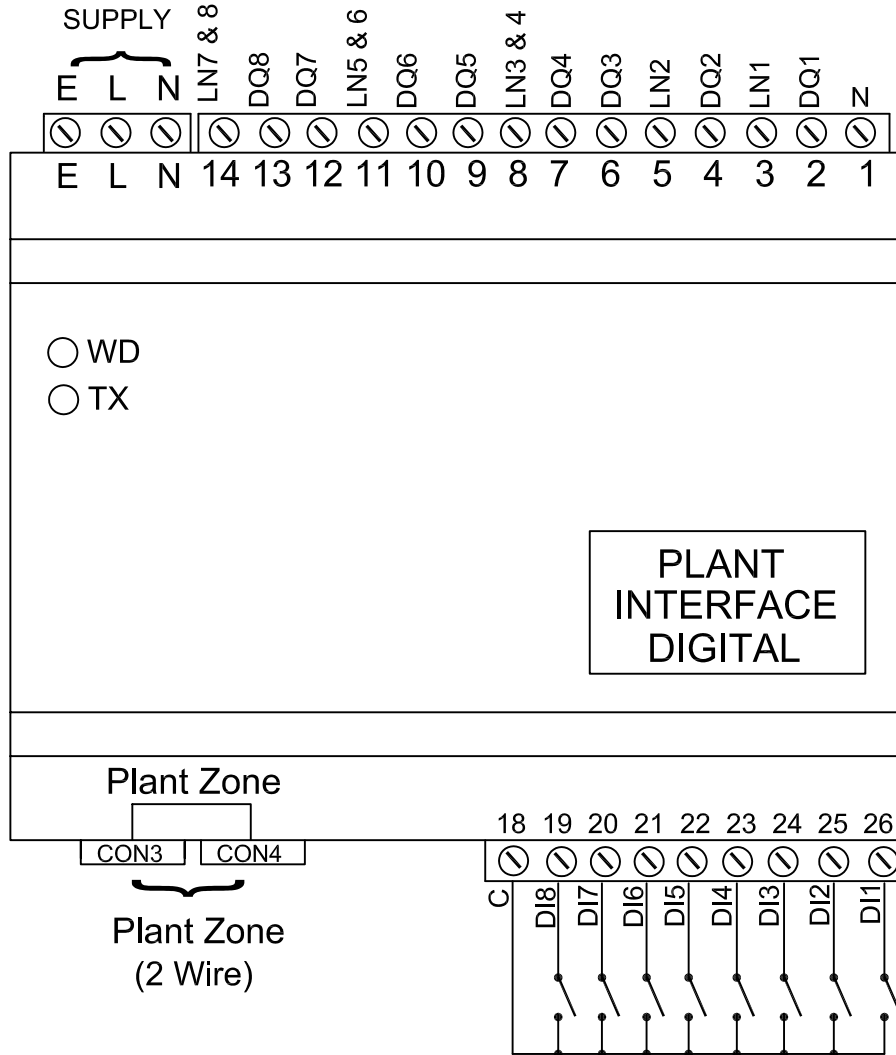


# IF31 COMPRESSOR CONTROL INTERFACE 2 APPLICATION DRAWING FOR USE WITH LP41x, LP42x, LP43x & LP45x

### Digital Connections

| OUTPUTS (See Note 7) |            |                                       |
|----------------------|------------|---------------------------------------|
| DQ1                  | Suppressed | Compressor Control 9                  |
| DQ2                  | Suppressed | Compressor Control 10                 |
| DQ3                  | Suppressed | Compressor Control 11                 |
| DQ4                  | Suppressed | Compressor Control 12                 |
| DQ5                  | Suppressed | Compressor Control 13                 |
| DQ6                  | Suppressed | Compressor Control 14                 |
| DQ7                  | Suppressed | Compressor Control 15                 |
| DQ8                  | Suppressed | Compressor Control 16                 |
| INPUTS (See Note 6)  |            |                                       |
| DI1                  | Volt Free  | Staged Compressor 9 Available to Run  |
| DI2                  | Volt Free  | Staged Compressor 10 Available to Run |
| DI3                  | Volt Free  | Staged Compressor 11 Available to Run |
| DI4                  | Volt Free  | Staged Compressor 12 Available to Run |
| DI5                  | Volt Free  | Not used                              |
| DI6                  | Volt Free  | Not used                              |
| DI7                  | Volt Free  | Not used                              |
| DI8                  | Volt Free  | Not used                              |

| CONFIGURATION |       |                                       |
|---------------|-------|---------------------------------------|
| ITEM          | VALUE | FUNCTION                              |
| 30            | 2     | INTERFACE NO                          |
| 37            | 3     | COMMUNICATIONS PROTOCOL<br>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 2 are for compressors 9-12.
7. Outputs are programmable for compressor run & unloader see items 510 to 629.



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| ISSUE | DESCRIPTION                 | APPD | DATE  |
|-------|-----------------------------|------|-------|
| 3     | UPDATED DIGITAL CONNECTIONS | MJK  | 06/17 |
| 2     | ADDED LP45x                 | DLT  | 03/17 |
| 1     | ORIGINAL ISSUE              | MJK  | 11/13 |

TITLE:  
**IF31 COMPRESSOR CONTROL INTERFACE 2  
APPLICATION DRAWING**

| PROJ. | DRG No: | SHT | OF | ISS. |
|-------|---------|-----|----|------|
|       | 04244   | 1   | 1  | 3    |