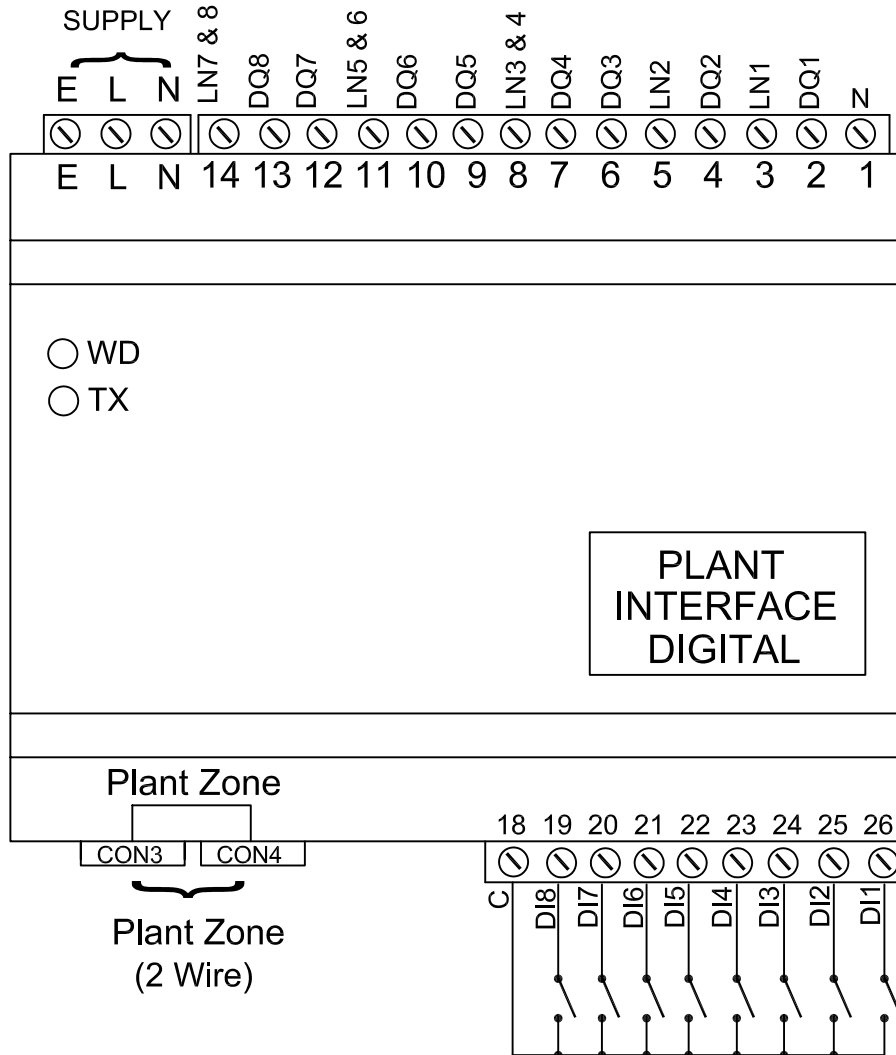


# IF31 COMPRESSOR CONTROL INTERFACE 1 APPLICATION DRAWING FOR USE WITH LP4xx

### 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<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 1 are for compressors 1-8.
7. Outputs are programmable for compressor run & unloader see items 510 to 629.



JTL SYSTEMS LTD  
41 KINGFISHER COURT, HAMBRIDGE RD,  
NEWBURY, BERKSHIRE: RG14 5SJ  
TEL: 01635 263646 FAX: 01635 263647

| ISSUE | DESCRIPTION                 | APP'D | DATE  |
|-------|-----------------------------|-------|-------|
| 4     | UPDATED DIGITAL CONNECTIONS | DLT   | 06/17 |
| 3     | ADDED LP45x                 | DLT   | 03/17 |
| 5     | AMENDED LP4xx TEXT HEADER   | MJK   | 01/18 |

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

| PROJ. | DRG No:      | SHT | OF | ISS. |
|-------|--------------|-----|----|------|
|       | <b>04049</b> | 1   | 1  | 5    |