

The IF12 is a product which is used to replace the following obsolete JTL product:

IF2

The IF12 provides full functionality of the former product and includes some enhanced features.

Mechanical

The IF12 is physically able to replace the IF2 product without significant rework. The upper fixings are in the same place as the original IF2 fixings. The lower 2 fixings need to be repositioned.

Electrical

Minor rewiring is necessary when replacing the IF2 with the IF12. The connector identification has been changed.

CONNECTOR	IF12	IF2
SUPPLY	CON4	CON2
PLANT DATABUS	CON3	CON1
OUTPUTS	CON1	CON4
INPUTS	CON1	CON3

IF12 OUTPUT CONVERSION

FUNCTION	IF12 (CON1)	IF2 (CON4)
OUTPUT 1	NO C1 NC	LD1 LN1 -
OUTPUT 2	NO C2 NC	LD2 LN2 -
OUTPUT 3 (UNUSED)	NO C3 NC	- - -

IF12 INPUT CONVERSION

FUNCTION	IF12 (CON1)	IF2 (CON3)
COMMON	C4, C5, C6, C7	COM
INPUT 1	NO(4)	1
INPUT 2	NC(4)	2
INPUT 3	NO(5)	3
INPUT 4	NC(5)	4
INPUT 5	NO(6)	5
INPUT 6	NC(6)	6
INPUT 7	NO(7)	7
INPUT 8	NC(7)	8

NB: Common must be connected to each of C4, C5, C6, C7

Maintenance Unit Connection

The MU connection on IF12 uses a 6 pin connector. It will be necessary to allow space for access to the socket. In the case where access is very restricted a short MU extension (CAB62) is available on request. Connection via CON7.

MAINTENANCE UNIT CONNECTION	IF12	IF2
	CON2/7	None

Documentation

Full documentation exists for the IF12 but if this is not available the IF2 documents may be used in conjunction with this information.

Interface Configuration

To ensure compatibility when replacing the original part with an IF12, action a factory default setting procedure (Item 9) before setting in the new data.

Item 30 value is the equivalent of the rotary switch setting (SW1). Eg, if the part to be replaced had the rotary switch set to 3, Item 30 on the IF12 should be set to 3.

Item 31 value is the equivalent of SW2 setting. See the table below for conversion.

FUNCTION	ITEM 31 (IF12)	SW2 (IF2) X = Don't care O = Open C = Closed
SINGLE COMPRESSOR CONTROL	3	X C O O

NB: in certain cases wire links may be fitted in place of SW2. In this situation "no link" corresponds to switch "open" and "link fitted" corresponds to switch "closed".

To take advantage of enhanced features for compressor control, see the IF12 user guide.