The UACT-SPR is a spare parts kit which is used to replace the following obsolete JTL products as a spare part:

LACT

The UACT-SPR comprises of the following parts:

1 x UACT controller
1 x CAB98-05 Display cable
1 x DIN rail kit

Some rewiring is necessary when replacing the obsolete part with the UACT affecting the network connections and the output connections. For full details see below.

The UACT is a controller which provides defrost functionality of the LACT, as such it requires to be set up correctly to achieve the functionality desired. The attached user guide gives full details of programming information to set up the controller. Your attention is drawn in particular to item 107 which selects the appropriate defrost initiation method, and item 144 which selects the defrost termination method.

UACT OUTPUT CONVERSION

FUNCTION	UACT	LACT
LIQUID SOLENOID	2 LD 3 LN	1 NO 1 LN
FANS	4 LD 5 LN	2 NO 2 LN
DEFROST HEATER1	6 LD 8 LN	3 NO 3 LN
DEFROST HEATER2	7 LD 8LN	4 NO 4 LN
DEFROST HEATER3	9 LD 11 LN	5 NO 5 LN
DEFROST HEATER4	10 LD 11 LN	6 NO 6 LN

Note 1: Rewire as shown, ensure wiring to LN is rewired to LN LN must be connected to the line voltage and NO/NC to the load to ensure correct EMC operation.

Note 2: Terminal 1 on the UACT must be connected to the control supply neutral.

Applicable Documentation

Connections Diagram:	Doc No. 03787
Installation Information:	Doc No. 03852
Item Numbers:	Doc No. 03796
User Guide:	Doc No. 03818

INPUT CONVERSION

TEMPERATURES

Rewiring is necessary, sensor connections need to be reconnected directly to the UACN

SENSOR	UACT	LACT (See note 3)
AIR ON	28 27	C 1
AIR OFF	26 25	C 2
TERMINATION 1	24 23	C 3
TERMINATION 2	22 21	C 4
TERMINATION 3	20 19	C 5
TERMINATION 4	18 17	C 6
ROOM	16 15	C 7

Note 3: Air on sensor is to the right hand end of the connector CON4 adjacent to the edge of the board.

DIGITAL INPUTS

FUNCTION	UACT	LACT (See note 4)
DOOR CLOSED	13 12	I1 C
MAN TRAPPED	14 12	I2 C

Note 4: LACT controller uses 230 Vac inputs with a common connected to neutral DO NOT connect the existing wiring directly to UACT which uses a self excited voltage free contact. External wiring changes must be done to implement the voltage free contact input.

UACT Jnet Communications Conversion

The UACT and LACT Jnet network connections are compatible.

Display Connections

A converter cable type CAB98-05 maybe required to convert the DIN plug on the display cable to an RJ45 socket on the UACT..

Controller Setup

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

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