

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

LACN

The UACN-SPR comprises of the following parts:

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

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

The UACN is a controller which provides defrost functionality of the LACN, 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.

UACN OUTPUT CONVERSION

FUNCTION	UACN	LACN
PAN HEATER	2 LD 3 LN	1 NO 1 LN
FANS	4 LD 3 LN	2 NO 2 LN
SUCTION VALVE	5 LD 6 LN	
DEFROST	7 LD 6 LN	4 NO 4 LN
LIQUID SOLENOID	8 LD 9 LN	5 NO 5 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 UACN must be connected to the control supply neutral.

INPUT CONVERSION

TEMPERATURES

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

SENSOR	UACN	LACN
AIR ON	26 25	C 1
AIR OFF	24 23	C 2
EVAPORATOR	22 21	C 3
SUCTION LINE	20 19	C 4
TERMINATION	18 17	C 5

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	UACN	LACN (See note 4)
DOOR CLOSED	14 12	I1 C
MAN TRAPPED	14 13	I2 C
DEFROST (See note 5)	NOT IMPLEMENTED	I2 C
ALARM (See note 5)	NOT IMPLEMENTED	I2 C
SHUTDOWN (See note 5)	NOT IMPLEMENTED	I2 C

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

Note 5: Defrost, alarm and shutdown functions are not implemented on the UACN. In the LACN these are selectable using item 138 to be on input 2. If any of these functions are required contact JTL Systems.

UACN Jnet Communications Conversion

The UACN and LACN 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 UACN..

Controller Setup

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

Applicable Documentation

- Connections Diagram: Doc No. 03793
- Installation Information: Doc No. 03852
- Item Numbers: Doc No. 04018
- User Guide: Doc No. 04114