The UAPA-USPR is a spare parts kit which is used to replace the following obsolete JTL product as a spare part:

LAPA
SDPA

The UAPA-USPR comprises of the following parts:

1 x UAPA controller
1 x DIN rail kit

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

The UAPA is a controller which provides defrost functionality of the LAPA and SDPA products, 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.

UAPA OUTPUT CONVERSION

FUNCTION	UAPA	LAPA	SDPA
LIGHTS	2 LD 3 LN	1 NO 1 LN	1 NO 1 LN
AUX HEATER/ FANS	4 LD 2 LN	2 NO 2 LN	
TRIM HEATER	5 LD 6 LN	3 NO 3 LN	
DEFROST	7 LD 6 LN	4 NO 4 LN	2 NO 2 LN
LIQUID SOLENOID	8 LD 9 LN	5 NO 5 LN	3 NO 3 LN

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

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

INPUT CONVERSION

TEMPERATURES
Rewiring is necessary.

SENSOR	UAPA	LAPA	SDPA
AIR ON	26 25	C 1	C 1
AIR OFF	24 23	C 2	C 2
EVAPORATOR	22 21	C 3	C 3
SUCTION LINE	20 19	C 4	C 4
TERMINATION	18 17	C 5	C 5
AIR OFF 2 (See note 4)		C 6	C 2
AIR OFF 3 (See note 4)		C 7	C 3

Note 3: The LAPA and SDPA temperature inputs number from C1 on the right when viewed from the edge of the controller.

Note 4: The LAPA and SDPA support multiple our off sensor operations. On the SDPA Air off 2 and 3 can be selected to use the evaporator and suction line temperature inputs. The UAPA DOES NOT support the multiple air off function.

DIGITAL INPUTS

Note 5: The LAPA and SDPA controllers support a defrost input from an external time clock or equivalent. UAPA DOES NOT support this function.

UAPA Jnet Communications Conversion
There is no change.

Display Connections
There is no change.

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

Applicable Documentation

UAPA Connections Diagram:	Doc No. 03788
UAPA Installation Information:	Doc No. 03852
UAPA Item Numbers:	Doc No. 03980
UAPA User Guide:	Doc No. 03995
LAPA Connections Diagram:	Doc No. 03219
SDPA Connections Diagram:	Doc No. 03222

Doc No. 05304 UAPA-USPR.wpd Issue 1 Feb 2019
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