ERLA11-14DV3 / ERLA11-14DW1 / ERLA-DV37 / ERLA-DW17

NOTES to go through before starting the unit

X1M : Main terminal

—— —— —— : Earth wiring

– – – – – – : Field supply

(1) : Several wiring possibilities

: Option

: Wiring depending on model

: Not mounted in switch box

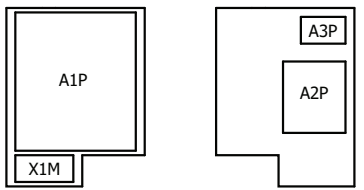
: PCB

NOTES

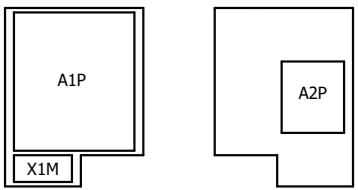
1. Refer to the wiring diagram sticker (on the back of the front plate) for how to use the BS1~BS4 and DS1 switches.
2. When operating, do not short-circuit protection device Q1, S1PH and S1PL.
3. Refer to the combination table and the option manual for how to connect the wiring to X6A, X41A and X77A.
4. Colours: BLK: black; RED: red; BLU: blue; WHT: white; GRN: green; BRN: brown; YLW: yellow; ORG: orange
5. Confirm the method of setting the selector switches (DS1) by service manual. Factory setting of all switches: OFF

POSITION IN SWITCH BOX

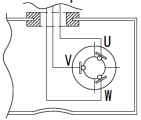
1PH UNIT



3PH UNIT



Position of compressor terminal



LEGEND

1PH UNIT

Part n°		Description
A1P		Printed circuit board (main)
A2P		Printed circuit board (noise filter)
A3P		Printed circuit board (flash)
C* (A*P)		Capacitor
BS* (A1P)		Push button switch
DS1 (A1P)		Dipswitch
F1U, F3U~F4U (A2P)		Fuse T 6,3 A 250 V
F2U (A2P)		Fuse T 56 A 250 V
F6U (A1P)		Fuse T 5 A 250 V
H1~7P (A1P)		Indication light emitting diode (service monitor is orange)
HAP (A1P)		Light emitting diode (service monitor is green)
K1R (A1P)		Magnetic relay (Y1S)
K10R (A1P)		Magnetic relay
K11M (A1P)		Magnetic relay (Main)
K14~15R (A2P)		Magnetic relay
L*R (A1P)		Reactor
M1C		Compressor motor
M1F		Fan motor
PS (A1P)		Switching power supply
Q1		Thermal overcurrent protector
Q1DI	#	Earth leakage circuit breaker (30mA)
R1~5 (A*P)		Resistor
R1T		Thermistor (air)
R2T		Thermistor (discharge)
R3T		Thermistor (suction)
R4T		Thermistor (distribution pipe)
R5T		Thermistor (heat exchanger middle)
R11T (A1P)		Thermistor (fin)
RC (A2P)		Signal receiver circuit
S1NPH		Pressure sensor
S1PH		High pressure switch
S1PL		Low pressure switch
TC (A2P)		Signal transmission circuit
V*D (A1P)		Diode
V1R (A1P)		Power module
V2R (A1P)		Diode module
V*T (A1P)		IGBT
X1M		Terminal strip
X*A, X*Y (A*P)		Connector
Y1E, Y3E		Electronic expansion valve
Y1S		Solenoid valve (4-way valve)
Z*C		Noise filter (ferrite core)
Z*F (A*P)		Noise filter

3PH UNIT

Part n°		Description
A1P		Printed circuit board (main)
A2P		Printed circuit board (noise filter)
C* (A1P)		Capacitor
BS* (A1P)		Push button switch
DS1 (A1P)		Dipswitch
F1U, F3U (A2P)		Fuse T 6,3 A 250 V
F4U, F5U (A2P)		Fuse T 30 A 500 V
F7U (A1P)		Fuse T 5 A 250 V
HAP (A1P)		Light emitting diode (service monitor is green)
K1R (A1P)		Magnetic relay (Y1S)
K5~8R (A1P)		Magnetic relay
K*M (A1P)		Magnetic relay (Main)
L*R (A*P)		Reactor
M1C		Compressor motor
M1F		Fan motor
PS (A1P)		Switching power supply
Q1		Thermal overcurrent protector
Q1DI	#	Earth leakage circuit breaker (30mA)
R1~9 (A1P)		Resistor
R1T		Thermistor (air)
R2T		Thermistor (discharge)
R3T		Thermistor (suction)
R4T		Thermistor (distribution pipe)
R5T		Thermistor (heat exchanger middle)
R11T (A1P)		Thermistor (fin)
RC (A1P)		Signal receiver circuit
S1NPH		Pressure sensor
S1PH		High pressure switch
S1PL		Low pressure switch
SEG* (A1P)		7-segment display
TC (A1P)		Signal transmission circuit
V*D (A1P)		Diode
V1~2R (A1P)		Diode module
V3~5R (A1P)		Power module
X1M		Terminal strip
X*A, X*Y (A*P)		Connector
Y1E, Y3E		Electronic expansion valve
Y1S		Solenoid valve (4-way valve)
Z*C		Noise filter (ferrite core)
Z*F (A*P)		Noise filter

* : optional # : field supply

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