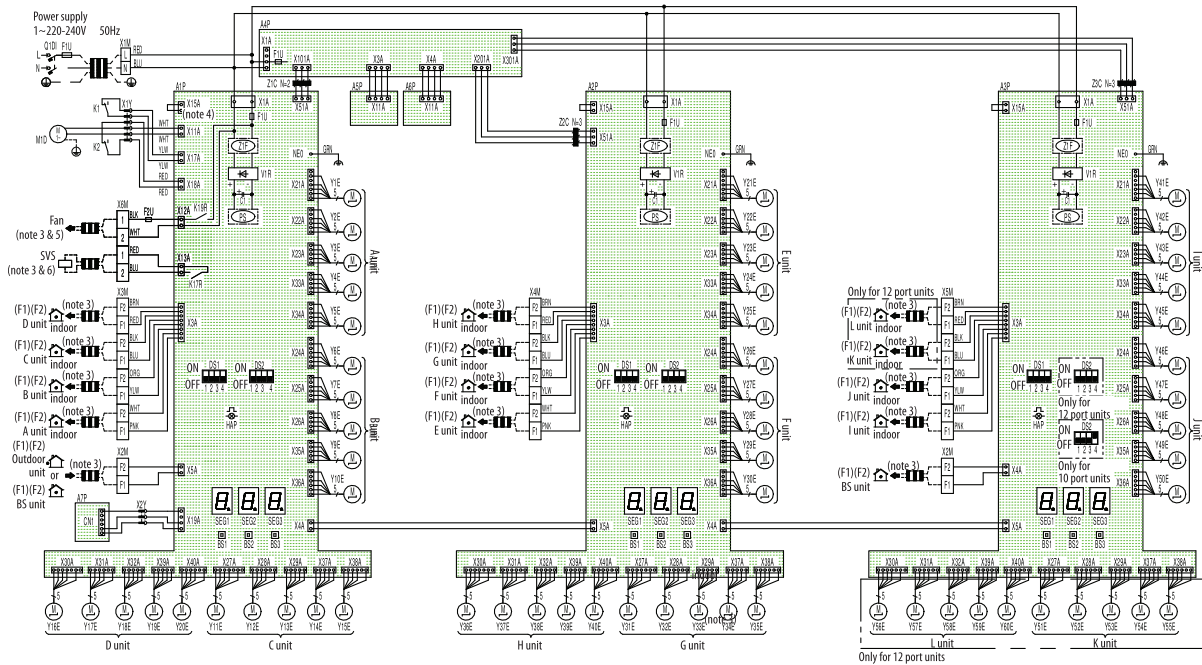


# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Single Phase

BS10-12A14AV1B

Wiring diagram



A1P, A2P, A3P	Printed circuit board (control)
A4P	Printed circuit board (back up)
A5P, A6P	Printed circuit board (capacitor)
A7P	Printed circuit board (gas sensor)
BS1~3 (A*P)	Push button switch (mode, set, return)
C1	Capacitor
DS*	Dip switch
F1U	Field fuse (field supply)
F1U (A*P)	Fuse (T, 3.15A, 250V)
F2U	Fuse (1A, 250V)
HAP	Flashing lamp (service monitor-green)
K*	Contact
M1D	Motor (damper)
PS	Switching power supply
Q1DI	Earth leakage circuit breaker (30mA) (field supply)
SEG1~3 (A*P)	7-Segment display
V1R	Diode bridge
X1M	Terminal strip (power)
X2M~X5M	Terminal strip (transmission)
X6M	Terminal strip (external output)
X*Y	Connector
Z*C	Noise filter (ferrite core)
Z1F	Noise filter
Y1E	Electronic expansion valve coil (EVL-1)
Y2E	Electronic expansion valve coil (EVH-1)
Y3E	Electronic expansion valve coil (EVSC-1)
Y4E	Electronic expansion valve coil (EVSG-1)
Y5E	Electronic expansion valve coil (EVSL-1)
Y6E	Electronic expansion valve coil (EVL-2)
Y7E	Electronic expansion valve coil (EVH-2)
Y8E	Electronic expansion valve coil (EVSC-2)
Y9E	Electronic expansion valve coil (EVSG-2)
Y10E	Electronic expansion valve coil (EVSL-2)
Y11E	Electronic expansion valve coil (EVL-3)
Y12E	Electronic expansion valve coil (EVH-3)
Y13E	Electronic expansion valve coil (EVSC-3)
Y14E	Electronic expansion valve coil (EVSG-3)
Y15E	Electronic expansion valve coil (EVSL-3)
Y16E	Electronic expansion valve coil (EVL-4)
Y17E	Electronic expansion valve coil (EVH-4)
Y18E	Electronic expansion valve coil (EVSC-4)
Y19E	Electronic expansion valve coil (EVSG-4)
Y20E	Electronic expansion valve coil (EVSL-4)

Y21E	Electronic expansion valve coil (EVL-1)	E unit
Y22E	Electronic expansion valve coil (EVH-1)	
Y23E	Electronic expansion valve coil (EVSC-1)	
Y24E	Electronic expansion valve coil (EVSG-1)	
Y25E	Electronic expansion valve coil (EVSL-1)	F unit
Y26E	Electronic expansion valve coil (EVL-2)	
Y27E	Electronic expansion valve coil (EVH-2)	
Y28E	Electronic expansion valve coil (EVSC-2)	
Y29E	Electronic expansion valve coil (EVSG-2)	G unit
Y30E	Electronic expansion valve coil (EVSL-2)	
Y31E	Electronic expansion valve coil (EVL-3)	
Y32E	Electronic expansion valve coil (EVH-3)	
Y33E	Electronic expansion valve coil (EVSC-3)	H unit
Y34E	Electronic expansion valve coil (EVSG-3)	
Y35E	Electronic expansion valve coil (EVSL-3)	
Y36E	Electronic expansion valve coil (EVL-4)	
Y37E	Electronic expansion valve coil (EVH-4)	I unit
Y38E	Electronic expansion valve coil (EVSC-4)	
Y39E	Electronic expansion valve coil (EVSG-4)	
Y40E	Electronic expansion valve coil (EVSL-4)	

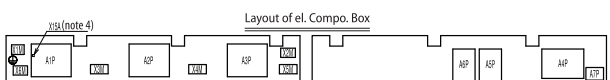
Y41E	Electronic expansion valve coil (EVL-1)	J unit
Y42E	Electronic expansion valve coil (EVH-1)	
Y43E	Electronic expansion valve coil (EVSC-1)	
Y44E	Electronic expansion valve coil (EVSG-1)	
Y45E	Electronic expansion valve coil (EVSL-1)	K unit
Y46E	Electronic expansion valve coil (EVL-2)	
Y47E	Electronic expansion valve coil (EVH-2)	
Y48E	Electronic expansion valve coil (EVSC-2)	
Y49E	Electronic expansion valve coil (EVSG-2)	L unit
Y50E	Electronic expansion valve coil (EVSL-2)	
Y51E	Electronic expansion valve coil (EVL-3)	
Y52E	Electronic expansion valve coil (EVH-3)	
Y53E	Electronic expansion valve coil (EVSC-3)	M unit
Y54E	Electronic expansion valve coil (EVSG-3)	
Y55E	Electronic expansion valve coil (EVSL-3)	
Y56E	Electronic expansion valve coil (EVL-4)	
Y57E	Electronic expansion valve coil (EVH-4)	N unit
Y58E	Electronic expansion valve coil (EVSC-4)	
Y59E	Electronic expansion valve coil (EVSG-4)	
Y60E	Electronic expansion valve coil (EVSL-4)	

Optional accessories	
X15A	Connector (drain-up kit abnormal signal)

### NOTES

- This wiring diagram is for BS unit only.
- The marks in this diagram indicate:  
 □ □ □ □ □ terminal block, □ □ □ □ □ connector, □ □ □ □ □ field wiring, ⊕ earth terminal
- For wiring for the terminal block X2M~X6M, refer to the installation manual attached to the product.
- As for X15A (A1P), remove the short circuit connector and connect the air conditioner stop signal (optional product) when using the drain-up kit (optional product).  
 For details, please refer to the operation manual attached to the kit.
- The capacity of the contact is 220~240V AC - 0.5A.
- Digital output: Max 220~240V AC - 0.5A. Refer to installation manual for how to use this output.
- The factory setting of dip switches (DS1, DS2) are as follows.  
 For the setting method of dip switches (DS1~2) and push buttons (BS1~3), refer to "the installation manual".

	A1P, A2P		A3P	
	DS1	DS2	DS1	DS2
BS12A14AV1B	ON OFF	ON OFF	ON OFF	ON OFF
BS10A14AV1B	ON OFF	ON OFF	ON OFF	ON OFF



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