

CITY MULTI
BC controller

CMB-P-V-G
CMB-P-V-GA, CMB-P-V-HA
CMB-P-V-GB, CMB-P-V-HB

CMB-P-V-G,GA,GB	
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Model name			CMB-P104V-G		CMB-P105V-G					
Number of branch			4		5					
Power source			1N ~ 220/230/240V							
			50Hz		60Hz		50Hz		60Hz	
Power input		kW	Cooling : 0.067/0.076/0.085 Heating : 0.030/0.034/0.038		Cooling : 0.054/0.061/0.067 Heating : 0.024/0.027/0.030		Cooling : 0.082/0.093/0.104 Heating : 0.038/0.043/0.048		Cooling : 0.066/0.074/0.082 Heating : 0.030/0.034/0.038	
Current		A	Cooling : 0.31/0.34/0.36 Heating : 0.14/0.15/0.16		Cooling : 0.25/0.27/0.28 Heating : 0.11/0.12/0.13		Cooling : 0.38/0.41/0.44 Heating : 0.18/0.19/0.20		Cooling : 0.30/0.33/0.35 Heating : 0.14/0.15/0.16	
External finish			Galvanized steel plate (Lower part drain pan painting N1.5)							
Connectable outdoor unit			PURY-P200/250/300/350YHM-A(-BS) / PQRY-P200/250/300YHM-A							
Indoor unit capacity connectable to 1 branch			kW		Model P140 or smaller (Use optional joint pipe combining 2 branches when the total capacity exceeds 141.) (Use the reducer (standard accessory) when the indoor unit Model 50 or smaller is connected.)					
External dimension H x W x D			mm(in.)		284 x 648 x 432 (11-3/16 x 25-9/16 x 17-1/16)					
Refrigerant piping diameter	To outdoor unit		Connectable outdoor unit capacity							
			P200		P250/P300		P350			
			High press. pipe		φ15.88 (φ5/8) Brazed		φ19.05 (φ3/4) Brazed		φ19.05 (φ3/4) Brazed	
	To indoor unit		Low press. pipe		φ19.05 (φ3/4) Brazed		φ22.2 (φ7/8) Brazed		φ28.58 (φ1-1/8) Brazed	
			Liquid pipe		φ9.52 (φ3/8) Flare (φ6.35 (φ1/4) with attached reducer used, φ12.7 (φ1/2) with optional joint pipe used.)					
			Gas pipe		φ15.88 (φ5/8) Flare (φ12.7 (φ1/2) with attached reducer used, φ19.05 (φ3/4) with optional joint pipe used.)					
Field drain pipe size			O.D. 32mm (1-1/4)							
Net weight		kg(lb)	24 (53)			27 (60)				
Accessories			·Drain Connection pipe (with flexible hose and insulation) ·Reducer							
Note: *1. Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items shall be referred to the Installation Manual. *2. The equipment is for R410A refrigerant. *3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.) *4. Indoor units P100,P125,P140 can be connected to 1 branch. (In this case, cooling capacity decrease a little.)										

Ref.: M-WYNCO-6883&6884

Model name			CMB-P106V-G		
Number of branch			6		
Power source			1N ~ 220/230/240V		
			50Hz		60Hz
Power input	kW	Cooling : 0.097/0.110/0.123 Heating : 0.045/0.051/0.057		Cooling : 0.078/0.088/0.097 Heating : 0.036/0.041/0.045	
Current	A	Cooling : 0.45/0.48/0.52 Heating : 0.21/0.23/0.24		Cooling : 0.36/0.39/0.41 Heating : 0.17/0.18/0.19	
External finish		Galvanized steel plate (Lower part drain pan painting N1.5)			
Connectable outdoor unit		PURY-P200/250/300/350YHM-A(-BS) / PQRY-P200/250/300YHM-A			
Indoor unit capacity connectable to 1 branch		kW	Model P140 or smaller (Use optional joint pipe combining 2 branches when the total capacity exceeds 141.) (Use the reducer (standard accessory) when the indoor unit Model 50 or smaller is connected.)		
External dimension H x W x D		mm(in.)	284 x 648 x 432 (11-3/16 x 25-9/16 x 17-1/16)		
Refrigerant piping diameter	To outdoor unit	Connectable outdoor unit capacity			
		P200	P250/P300	P350	
		High press. pipe	φ15.88 (φ5/8) Brazed	φ19.05 (φ3/4) Brazed	φ19.05 (φ3/4) Brazed
	Low press. pipe	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58 (φ1-1/8) Brazed	
	To indoor unit	Liquid pipe	φ9.52 (φ3/8) Flare (φ6.35 (φ1/4) with attached reducer used, φ12.7 (φ1/2) with optional joint pipe used.)		
		Gas pipe	φ15.88 (φ5/8) Flare (φ12.7 (φ1/2) with attached reducer used, φ19.05 (φ3/4) with optional joint pipe used.)		
Field drain pipe size		O.D. 32mm (1-1/4)			
Net weight		kg(lb)	29 (64)		
Accessories		・Drain Connection pipe (with flexible hose and insulation) ・Reducer			
Note: *1. Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items shall be referred to the Installation Manual. *2. The equipment is for R410A refrigerant. *3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.) *4. Indoor units P100,P125,P140 can be connected to 1 branch. (In this case, cooling capacity decrease a little.)					

Ref.: M-WYNCO-6885&6886

Model name			CMB-P108V-GA		CMB-P1010V-GA		
Number of branch			8		10		
Power source			1N ~ 220/230/240V				
			50Hz		60Hz		
Power input	kW	Cooling : 0.127/0.144/0.161 Heating : 0.060/0.068/0.076	Cooling : 0.102/0.115/0.127 Heating : 0.048/0.054/0.060	Cooling : 0.156/0.177/0.198 Heating : 0.075/0.085/0.095	Cooling : 0.126/0.141/0.156 Heating : 0.060/0.068/0.075		
Current	A	Cooling : 0.58/0.63/0.68 Heating : 0.28/0.30/0.32	Cooling : 0.47/0.50/0.53 Heating : 0.22/0.24/0.25	Cooling : 0.71/0.77/0.83 Heating : 0.35/0.37/0.40	Cooling : 0.58/0.62/0.65 Heating : 0.28/0.30/0.32		
External finish		Galvanized steel plate (Lower part drain pan painting N1.5)					
Connectable outdoor unit		PURY-P200/250/300/350/400/450/500/550/600/650Y(S)HM-A(-BS) PQRY-P200/250/300/400/450/500/550/600Y(S)HM-A					
Indoor unit capacity connectable to 1 branch		kW	Model P140 or smaller (Use optional joint pipe combining 2 branches when the total capacity exceeds 141.) (Use the reducer (standard accessory) when the indoor unit Model 50 or smaller is connected.)				
External dimension H x W x D		mm(in.)	289 x1,110 x 520 (11-7/16 x 43-3/4 x 20-1/2)				
Refrigerant piping diameter	To outdoor unit		Connectable outdoor unit capacity				
			P200	P250/P300	P350	P400~P500	P550~P650
		High press. pipe	φ15.88 (φ5/8) Brazed	φ19.05 (φ3/4) Brazed	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58 (φ1-1/8) Brazed
		Low press. pipe	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58 (φ1-1/8) Brazed	φ28.58 (φ1-1/8) Brazed	φ28.58 (φ1-1/8) Brazed
	To indoor unit	Liquid pipe	φ9.52 (φ3/8) Flare (φ6.35 (φ1/4) with attached reducer used, φ12.7 (φ1/2) with optional joint pipe used.)				
		Gas pipe	φ15.88 (φ5/8) Flare (φ12.7 (φ1/2) with attached reducer used, φ19.05 (φ3/4) with optional joint pipe used.)				
	To other BC controller		Total indoor unit capacity connected to this Sub BC controller				
			~P200	P201~P300		P301~P350	
		High press. pipe	φ15.88 (φ5/8) Brazed		φ19.05 (φ3/4) Brazed		φ19.05 (φ3/4) Brazed
		Low press. pipe	φ19.05 (φ3/4) Brazed		φ22.2 (φ7/8) Brazed		φ28.58 (φ1-1/8) Brazed
Liquid pipe		φ9.52 (φ3/8) Brazed		φ9.52 (φ3/8) Brazed		φ12.7 (φ1/2) Brazed	
Field drain pipe size		O.D. 32mm (1-1/4)					
Net weight		kg(lb)	44 (98)		49 (109)		
Accessories		・Drain Connection pipe (with flexible hose and insulation) ・Reducer					
Note: *1. Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items shall be referred to the Installation Manual. *2. The equipment is for R410A refrigerant. *3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.) *4.Indoor units P100,P125,P140 can be connected to 1 branch. (In this case, cooling capacity decrease a little.)							

Ref.: M-WYNCO-6890&6891

Model name			CMB-P1013V-GA		CMB-P1016V-GA		
Number of branch			13		16		
Power source			1N ~ 220/230/240V				
			50Hz		60Hz		50Hz
Power input		kW	Cooling : 0.201/0.228/0.255 Heating : 0.097/0.110/0.123	Cooling : 0.162/0.182/0.201 Heating : 0.078/0.088/0.097	Cooling : 0.246/0.279/0.312 Heating : 0.119/0.135/0.151	Cooling : 0.198/0.222/0.246 Heating : 0.096/0.108/0.119	
Current		A	Cooling : 0.92/1.00/1.07 Heating : 0.45/0.48/0.52	Cooling : 0.74/0.80/0.84 Heating : 0.36/0.39/0.41	Cooling : 1.12/1.22/1.30 Heating : 0.55/0.59/0.63	Cooling : 0.90/0.97/1.03 Heating : 0.44/0.47/0.50	
External finish			Galvanized steel plate (Lower part drain pan painting N1.5)				
Connectable outdoor unit			PURY-P200/250/300/350/400/450/500/550/600/650Y(S)HM-A(-BS) PQRY-P200/250/300/400/450/500/550/600Y(S)HM-A				
Indoor unit capacity connectable to 1 branch		kW	Model P140 or smaller (Use optional joint pipe combining 2 branches when the total capacity exceeds 141.) (Use the reducer (standard accessory) when the indoor unit Model 50 or smaller is connected.)				
External dimension H x W x D		mm(in.)	289 x1,110 x 520 (11-7/16 x 43-3/4 x 20-1/2)				
Refrigerant piping diameter	To outdoor unit		Connectable outdoor unit capacity				
			P200	P250/P300	P350	P400~P500	P550~P650
		High press. pipe	φ15.88 (φ5/8) Brazed	φ19.05 (φ3/4) Brazed	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58 (φ1-1/8) Brazed
		Low press. pipe	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58 (φ1-1/8) Brazed	φ28.58 (φ1-1/8) Brazed	φ28.58 (φ1-1/8) Brazed
	To indoor unit	Liquid pipe	φ9.52 (φ3/8) Flare (φ6.35 (φ1/4) with attached reducer used, φ12.7 (φ1/2) with optional joint pipe used.)				
		Gas pipe	φ15.88 (φ5/8) Flare (φ12.7 (φ1/2) with attached reducer used, φ19.05 (φ3/4) with optional joint pipe used.)				
	To other BC controller		Total indoor unit capacity connected to this Sub BC controller				
			~P200		P201~P300		P301~P350
		High press. pipe	φ15.88 (φ5/8) Brazed		φ19.05 (φ3/4) Brazed		φ19.05 (φ3/4) Brazed
		Low press. pipe	φ19.05 (φ3/4) Brazed		φ22.2 (φ7/8) Brazed		φ28.58 (φ1-1/8) Brazed
Liquid pipe		φ9.52 (φ3/8) Brazed		φ9.52 (φ3/8) Brazed		φ12.7 (φ1/2) Brazed	
Field drain pipe size		O.D. 32mm (1-1/4)					
Net weight		kg(lb)	57 (126)			64 (142)	
Accessories		·Drain Connection pipe (with flexible hose and insulation) ·Reducer					
Note: *1. Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items shall be referred to the Installation Manual. *2. The equipment is for R410A refrigerant. *3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.) *4.Indoor units P100,P125,P140 can be connected to 1 branch. (In this case, cooling capacity decrease a little.)							

Ref.: M-WYNCO-6892&6893

Model name			CMB-P1016V-HA					
Number of branch			16					
Power source			1N ~ 220/230/240V					
			50Hz			60Hz		
Power input		kW	Cooling :0.246/0.279/0.312 Heating : 0.119/0.135/0.151			Cooling : 0.198/0.222/0.246 Heating : 0.096/0.108/0.119		
Current		A	Cooling : 1.12/1.22/1.30 Heating : 0.55/0.59/0.63			Cooling : 0.90/0.97/1.03 Heating : 0.44/0.47/0.50		
External finish			Galvanized steel plate (Lower part drain pan painting N1.5)					
Connectable outdoor unit			PURY-P700/750/800YSHM-A(-BS)					
Indoor unit capacity connectable to 1 branch		kW	Model P140 or smaller (Use optional joint pipe combining 2 branches when the total capacity exceeds 141.) (Use the reducer (standard accessory) when the indoor unit Model 50 or smaller is connected.)					
External dimension H x W x D		mm(in.)	289 x1,110 x 520 (11-7/16 x 43-3/4 x 20-1/2)					
Refrigerant piping diameter	To outdoor unit		Connectable outdoor unit capacity					
			P700/P750/P800					
		High press. pipe	φ28.58(φ1-1/8) Brazed					
		Low press. pipe	φ34.93 (φ1-3/8) Brazed					
	To indoor unit	Liquid pipe	φ9.52 (φ3/8) Flare (φ6.35 (φ1/4) with attached reducer used,)					
		Gas pipe	φ15.88 (φ5/8) Flare (φ12.7 (φ1/2) with attached reducer used, φ19.05 (φ3/4), φ22.2 (φ7/8)with optional joint pipe used.)					
	To other BC controller		Total indoor unit capacity connected to this Sub BC controller					
			~P200	P201~P300	P301~P350	P351~P400	P401~P450	
		High press. pipe	φ15.88 (φ5/8) Brazed	φ19.05 (φ3/4) Brazed		φ22.2 (φ7/8) Brazed		
		Low press. pipe	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58 (φ1-1/8) Brazed			
Liquid pipe		φ9.52 (φ3/8) Brazed		φ12.7 (φ1/2) Brazed		φ15.88 (φ5/8) Brazed		
Field drain pipe size			O.D. 32mm (1-1/4)					
Net weight		kg(lb)	73 (161)					
Accessories			·Drain Connection pipe (with flexible hose and insulation) ·Reducer					
Note: *1. Works Not Included: Installation/foundation work, electrical connection work, insulation work, power source switch, and other items are not specified in this specifications. *2. The equipment is for R410A refrigerant. *3. When using an outdoor unit –28HP(P700) or more, use this product. *4. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.) *5. Indoor units P100,P125,P140 can be connected to 1 branch. (In this case, cooling capacity decrease a little.)								

Ref.: M-WYNCO-9168

Model name			CMB-P104V-GB		CMB-P108V-GB	
Number of branch			4		8	
Power source			1N ~ 220/230/240V			
			50Hz		60Hz	
Power input	kW	Cooling : 0.060/0.068/0.076 Heating : 0.030/0.034/0.038	Cooling : 0.048/0.054/0.060 Heating : 0.024/0.027/0.030	Cooling : 0.119/0.135/0.151 Heating : 0.060/0.068/0.076	Cooling : 0.096/0.108/0.119 Heating : 0.048/0.054/0.060	
Current	A	Cooling : 0.28/0.30/0.32 Heating : 0.14/0.15/0.16	Cooling : 0.22/0.24/0.25 Heating : 0.11/0.12/0.13	Cooling : 0.55/0.59/0.63 Heating : 0.28/0.30/0.32	Cooling : 0.44/0.47/0.50 Heating : 0.22/0.24/0.25	
External finish		Galvanized steel plate (Lower part drain pan painting N1.5)				
Connectable BC controller	Main BC	CMB-P108/1010/1013/1016V-GA, CMB-P1016V-HA				
	Sub BC	CMB-P104/108V-GB, CMB-P1016V-HB				
Indoor unit capacity connectable to 1 branch	kW	Model P140 or smaller (Use optional joint pipe combining 2 branches when the total capacity exceeds 141.) (Use the reducer (standard accessory) when the indoor unit Model 50 or smaller is connected.)				
External dimension H x W x D		mm(in.)	284 x 648 x 432 (11-3/16 x 25-9/16 x 17-1/16)			
Refrigerant piping diameter	To Main BC controller	Total indoor unit capacity connected to this Sub BC controller				
		~P200		P201~P300		P301~P350
		High press. pipe	φ15.88 (φ5/8) Brazed	φ19.05 (φ3/4) Brazed	φ19.05 (φ3/4) Brazed	
	To indoor unit	Low press. pipe	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58 (φ1-1/8) Brazed	
		Liquid pipe	φ9.52 (φ3/8) Brazed	φ9.52 (φ3/8) Brazed	φ12.7 (φ1/2) Brazed	
		Liquid pipe	φ9.52 (φ3/8) Flare (φ6.35 (φ1/4) with attached reducer used, φ12.7 (φ1/2) with optional joint pipe used.)			
Gas pipe		φ15.88 (φ5/8) Flare (φ12.7 (φ1/2) with attached reducer used, φ19.05 (φ3/4) with optional joint pipe used.)				
Field drain pipe size		O.D. 32mm (1-1/4)				
Net weight	kg(lb)	22 (49)		32 (71)		
Accessories		・Drain Connection pipe (with flexible hose and insulation) ・Reducer				
Note: *1. Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items shall be referred to the Installation Manual. *2. The equipment is for R410A refrigerant. *3. For sub BC controller CMB-P-V-GB the connectable indoor unit capacities may sum to equal that of a P350 unit or less. However, if two sub controllers are used the TOTAL sum of connectable units connected to BOTH sub controllers must also not exceed that of a P350 unit. *4. To use the Sub BC controller, the Main BC controller is necessary to be connected with. *5. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.) *6. Indoor units P100,P125,P140 can be connected to 1 branch. (In this case, cooling capacity decrease a little.)						

Ref.: M-WYNCO-6894&6895

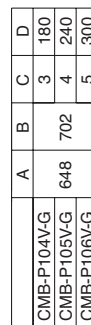
Model name			CMB-P1016V-HB				
Number of branch			16				
Power source			1N ~ 220/230/240V				
			50Hz		60Hz		
Power input	kW	Cooling :0.237/0.269/0.301 Heating : 0.119/0.135/0.151		Cooling : 0.192/0.216/0.237 Heating : 0.096/0.108/0.120			
Current	A	Cooling : 1.08/1.17/1.26 Heating : 0.55/0.59/0.63		Cooling : 0.88/0.94/0.99 Heating : 0.44/0.47/0.50			
External finish			Galvanized steel plate (Lower part drain pan painting N1.5)				
Connectable BC controller		Main BC	CMB-P108/1010/1013/1016V-GA, CMB-P1016V-HA				
		Sub BC	CMB-P104/108V-GB, CMB-P1016V-HB				
Indoor unit capacity connectable to 1 branch		kW	Model P140 or smaller (Use optional joint pipe combining 2 branches when the total capacity exceeds 141.) (Use the reducer (standard accessory) when the indoor unit Model 50 or smaller is connected.)				
External dimension H x W x D		mm(in.)	284 x 1,098 x 432 (11-3/16 x 43-4/16 x 17-1/16)				
Refrigerant piping diameter	To Main BC controller	Total indoor unit capacity connected to this Sub BC controller					
			~P200	P201~P300	P301~P350	P351~P400	P401~P450
		High press. pipe	φ15.88 (φ5/8) Brazed	φ19.05 (φ3/4) Brazed		φ22.2 (φ7/8) Brazed	
		Low press. pipe	φ19.05 (φ3/4) Brazed	φ22.2 (φ7/8) Brazed	φ28.58(φ1-1/8) Brazed		
	Liquid pipe	φ9.52 (φ3/8) Brazed		φ12.7 (φ1/2) Brazed		φ15.88 (φ5/8) Brazed	
	To indoor unit	Liquid pipe	φ9.52 (φ3/8) Flare (φ6.35 (φ1/4) with attached reducer used.)				
		Gas pipe	φ15.88 (φ5/8) Flare (φ12.7 (φ1/2) with attached reducer used, φ19.05 (φ3/4), φ22.2 (φ7/8)with optional joint pipe used.)				
Field drain pipe size			O.D. 32mm (1-1/4)				
Net weight		kg(lb)	57 (126)				
Accessories			·Drain Connection pipe (with flexible hose and insulation) ·Reducer				
Note: *1. Works Not Included: Installation/foundation work, electrical connection work, insulation work, power source switch, and other items are not specified in this specifications. *2. The equipment is for R410A refrigerant. *3. For sub BC controller CMB-P1016V-HB the connectable indoor unit capacities may sum to equal that or a P350 unit or less. However, if two sub controllers are used the TOTAL sum of connectable units connected to BOTH sub controllers must also not exceed that of a P450 unit. *4. To use the Sub BC controller, the Main BC controller is necessary to be connected with. *5. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.) *6. Indoor units P100,P125,P140 can be connected to 1 branch. (In this case, cooling capacity decrease a little.)							

Ref.: M-WYNCO-9169

MITSUBISHI ELECTRIC CORPORATION

1 - 171

Unit : mm



PURY-P250, P300 : $\varnothing 22.2$ <Brazed>
PURY-P350 : $\varnothing 28.6$ <Brazed> (use attachment pipe)

CMB-P108,1010,1013,1016V-GA

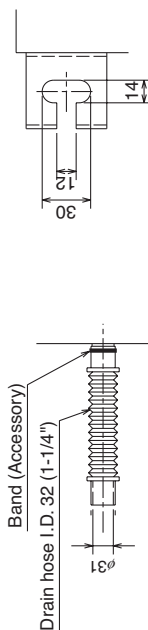
Drw. : cmb-p108-1016v-gA-W656-838A

Unit : mm

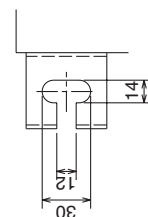
- <Accessories>
- Refrigerant-High pressure-conn. pipe 2pcs.
 - Reducer(Large/Small) Quantity for all connections
 - Drain hose I.D. 32 (1-1/4") 1pc.
 - Hose band 1pc.
 - Tie band 1pc.

Note1. Suspension bolt(φ10), washer(M10) and nut(M10) prepare in the field.
2. Take notice of service space as follows.
(Please give attention not to occupy service space by letting ducts and pipes through.)
3. Please take space to connect SUB BC CONTROLLER.

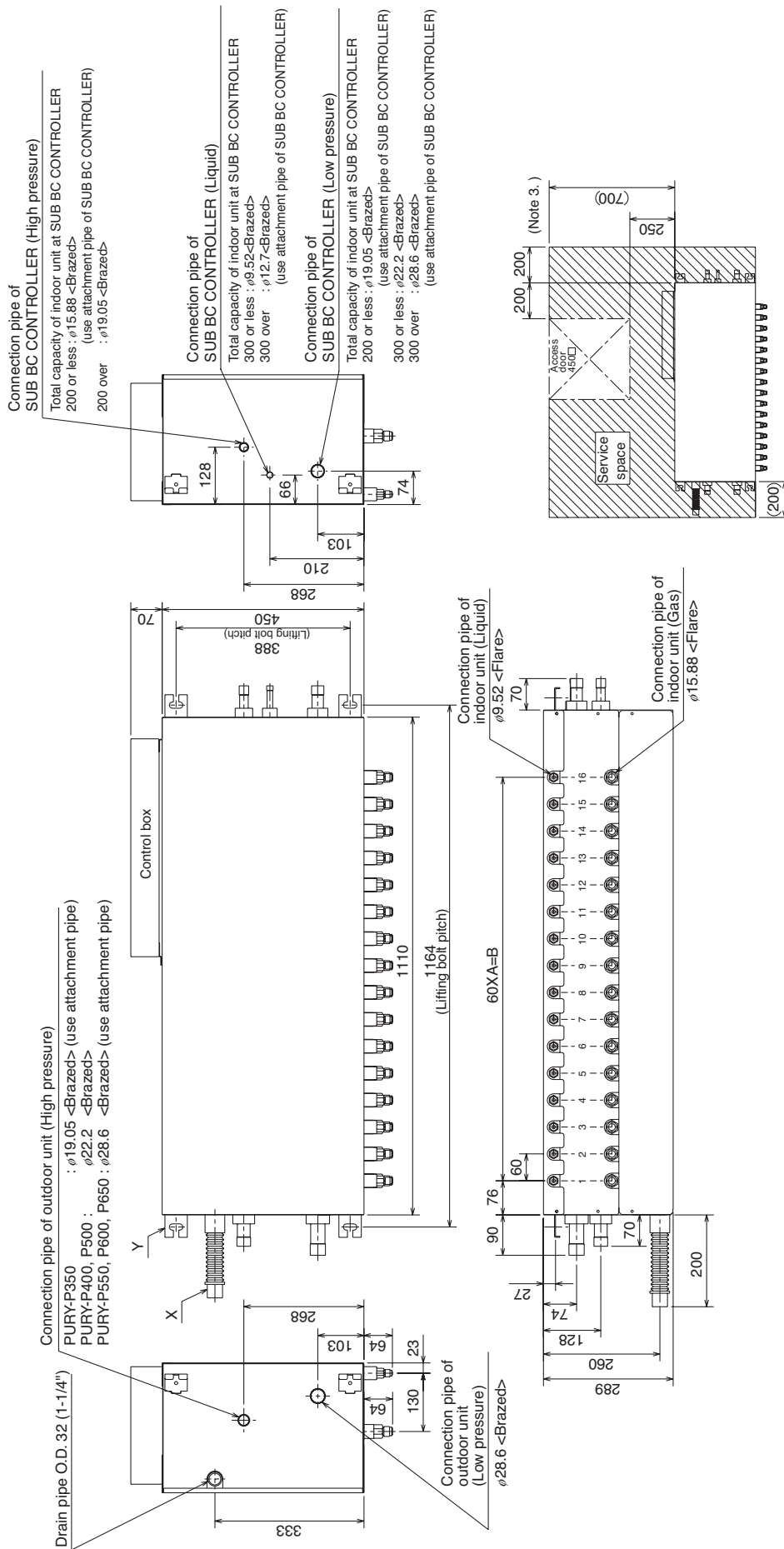
	A	B
CMB-P108V-GA	7	420
CMB-P1010V-GA	9	540
CMB-P1013V-GA	12	720
CMB-P1016V-GA	15	900



Detail of X section



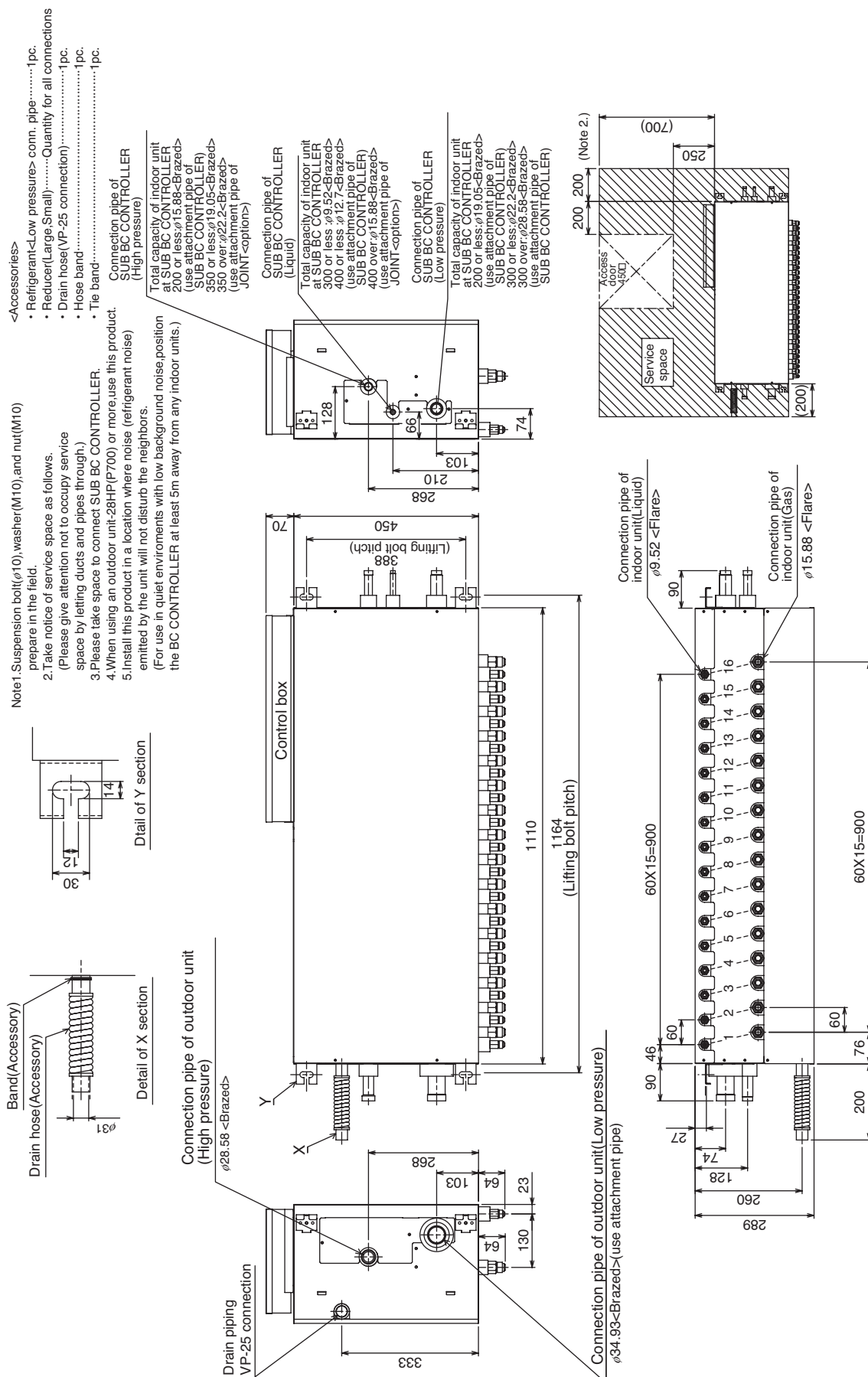
Detail of Y section



CMB-P1016V-HA

Drw. : cmb-p1016v-hA-WKB94-G932

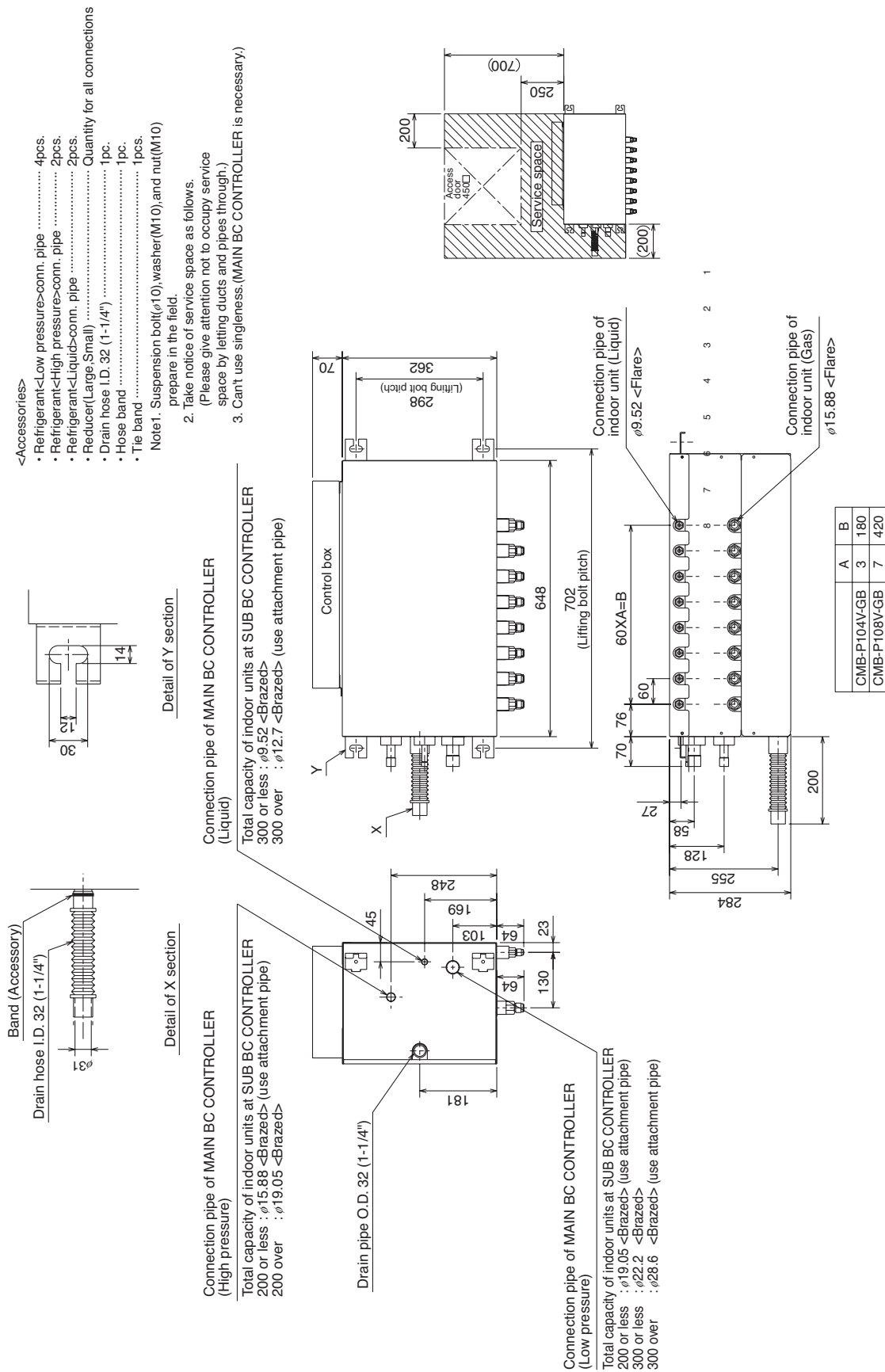
Unit : mm



CMB-P104,108V-GB

Drw. : cmb-p104-108v-gB-W656-839A

Unit : mm



CMB-P1016V-HB

Drw. : cmb-p1016v-hB-WKB94-G933

Unit : mm

- <Accessories>
- Refrigerant<Low pressure> conn. pipe.....4pcs.
 - Refrigerant<High pressure> conn. pipe.....2pcs.
 - Refrigerant<Liquid> conn. pipe.....2pcs.
 - Reducer(Large, Small).....Quantity for all connections
 - Drain hose(VP-25 connection).....1pc.
 - Hose band.....1pc.
 - Tie band.....1pc.

Note 1. Suspension bolt(ϕ 10), washer(M10), and nut(M10) prepare in the field.

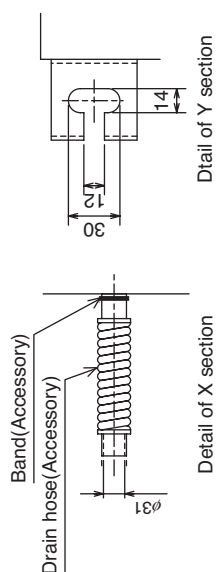
2. Take notice of service space as follows.

(Please give attention not to occupy service space by letting ducts and pipes through.)

3. Can't use singleness.(MAIN BC CONTROLLER is necessary.)

4. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.

(For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)



Detail of X section

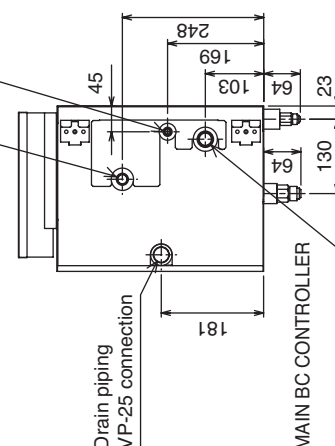
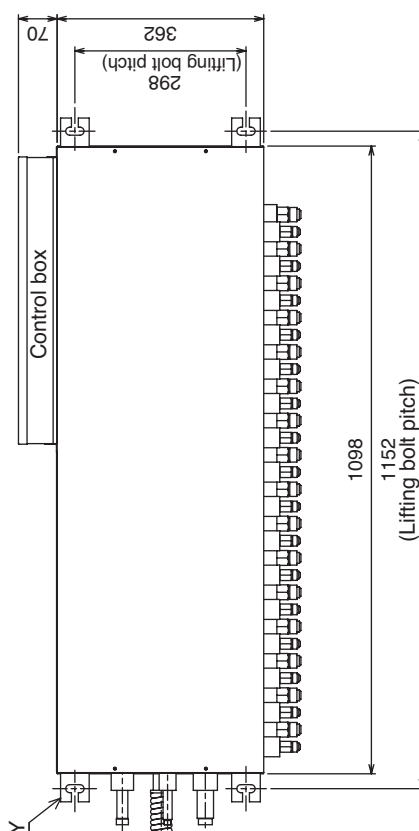
Detail of Y section

Connection pipe of MAIN BC CONTROLLER (High pressure)

Total capacity of indoor units at SUB BC CONTROLLER
200 or less: ϕ 15.88<Brazed>(use attachment pipe)
200 over : ϕ 19.05<Brazed>

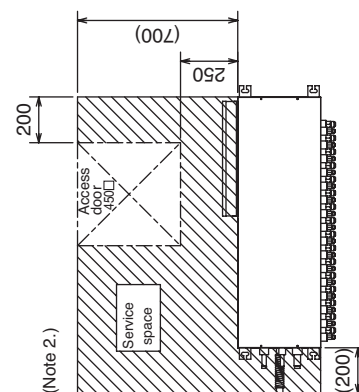
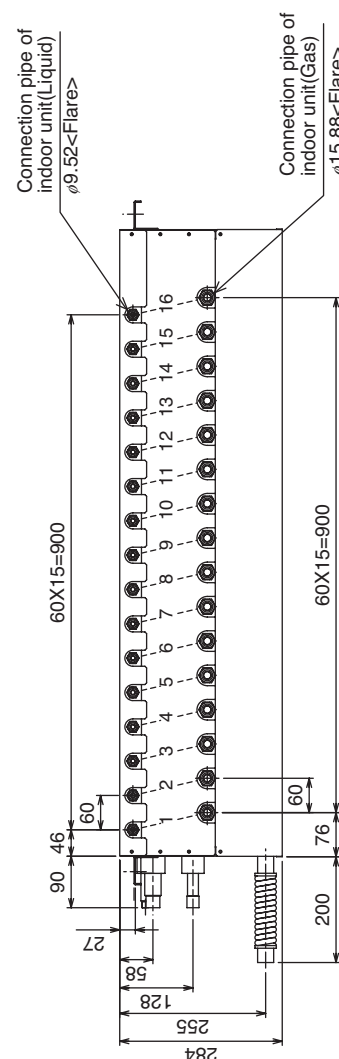
Connection pipe of MAIN BC CONTROLLER(Liquid)

Total capacity of indoor units at SUB BC CONTROLLER
300 or less: ϕ 9.52<Brazed>
300 over : ϕ 12.7<Brazed>(use attachment pipe)



Connection pipe of MAIN BC CONTROLLER (Low pressure)

Total capacity of indoor units at SUB BC CONTROLLER
200 or less: ϕ 19.05<Brazed>(use attachment pipe)
300 or less: ϕ 22.2<Brazed>
300 over : ϕ 28.58<Brazed>(use attachment pipe)



BC

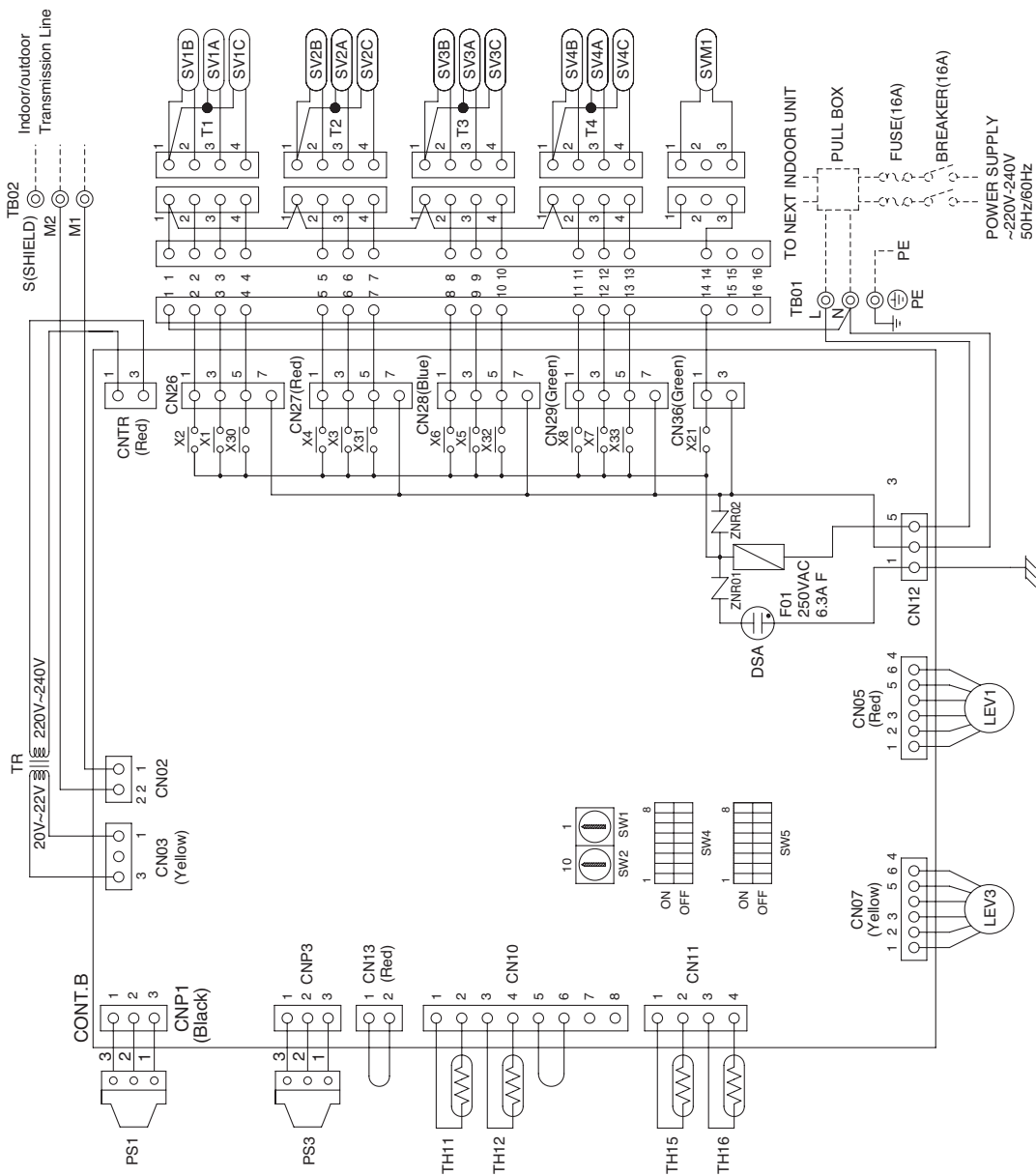
CMB-P104V-G

Drw. : cmb-p104v-g-W656-841

Symbol explanation

Symbol	Name
TR	Transformer
TH11,12,15,16	Thermistor sensor
LEV1,3	Expansion valve
PS1,3	Pressure sensor
CONT.B	Circuit BC controller board
TB01	Terminal block (for power source)
TB02	Terminal block (for Transmission)
SV1~4A,B,C	Solenoid valve
SVM1	Solenoid valve
T1~4	Terminal
F01	Fuse AC250V 6.3A F

Note:1.TB02 is transmission terminal block.
Never connect power line to it.
2.The initial set values of switch on
CONT.B are as follows.
SW1:0
SW2:0



CMB-P105,106V-G

Drw. : cmb-p105-106v-g-W656-842

Symbol explanation

Symbol	Name
TR	Transformer
TH11,12,15,16	Thermistor sensor
LEV1,3	Expansion valve
PS1,3	Pressure sensor
CONT.B	Circuit board controller
TB01	Terminal block (for power source)
TB02	Terminal block (for transmission)
SV1~6A,B,C	Solenoid valve
SVM1	Solenoid valve
T1~6	Terminal
F01	Fuse AC250V 6.3A F

Note: 1. TB02 is transmission terminal block.

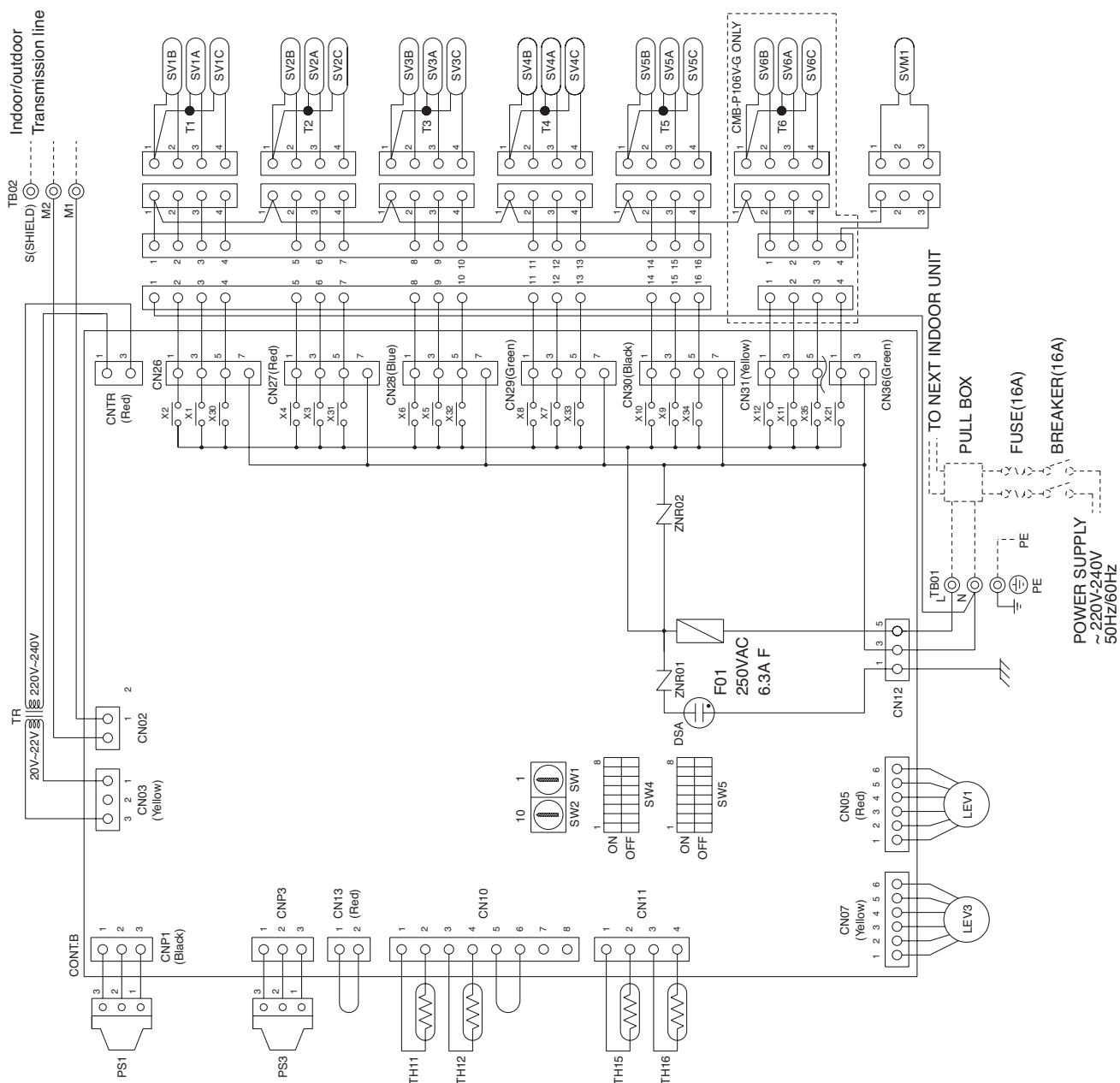
Never connect power line to it.

2. The initial set values of switch on

CONT.B are as follows.

SW1:0

SW2:0



Drw. : cmb-p108-1010v-qA-W656-845



Symbol	Name
TR	Transformer
TH11,12,15,16	Thermistor sensor
LEV1~3	Expansion valve
PS1.3	Pressure sensor
REL.B	Circuit Relay
CONT.B	board IC controller
TB01	Terminal block, (for power source)
TB02	Terminal block (for transmission)
SV1~10A,B,C	Solenoid valve
SVM1.2	Solenoid valve
T1~10	Terminal
F01	Fuse AC250V 6.3A F

Note:

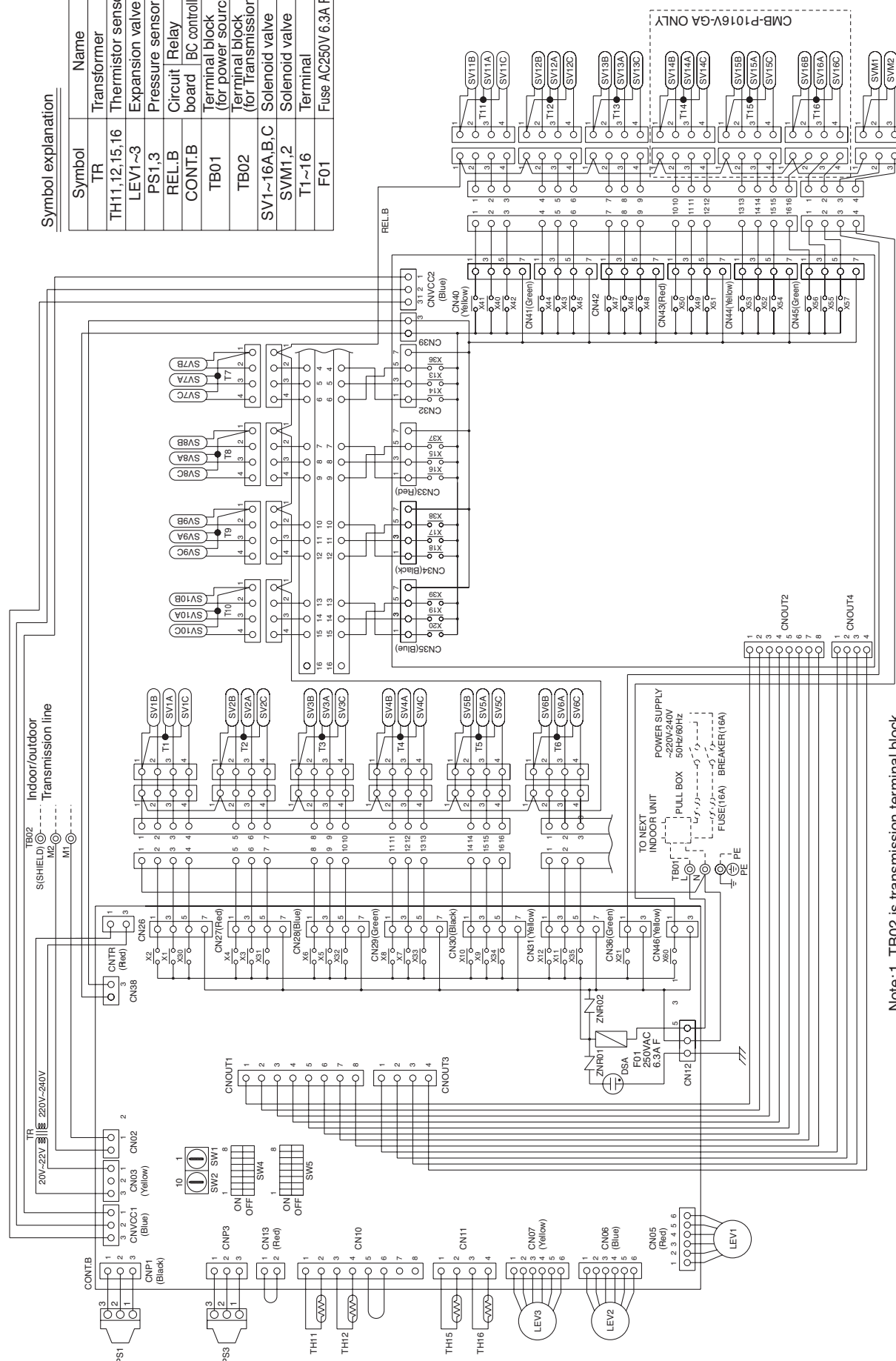
1. TB02 is transmission terminal block.
Never connect power line to it.
2. The initial set values of switch on CONT.B are as follows.
SW1:0
SW2:0

CMB-P1013,1016V-GA

Drw. : cmb-p1013-1016v-gA-W656-846

Symbol explanation

Symbol	Name
TR	Transformer
TH11,12,15,16	Thermistor sensor
LEV1~3	Expansion valve
PS1,3	Pressure sensor
REL.B	Circuit Relay
CONT.B	BC controller board
TB01	Terminal block (for power source)
TB02	Terminal block (for transmission)
SV1~16A,B,C	Solenoid valve
SVM1,2	Solenoid valve
T1~16	Terminal
F01	Fuse AC250V 6.3A F



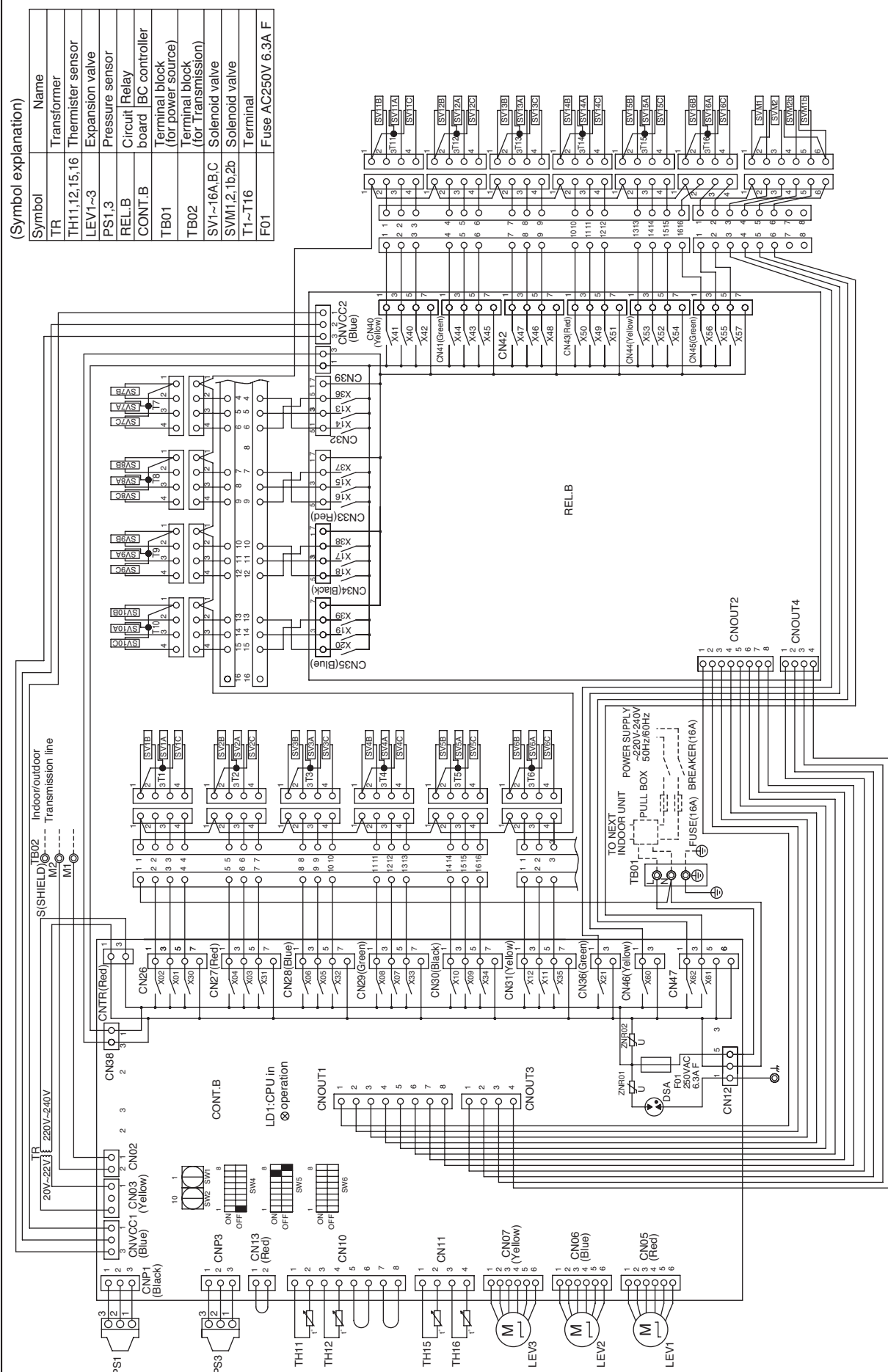
- Note: 1. TB02 is transmission terminal block.
Never connect power line to it.
2. The initial set values of switch on CONT.B are as follows.
- SW1:0
SW2:0

3. WIRING DIAGRAMS

R410A Data G6

CMB-P1016V-HA

Drw. : cmb-p1016v-hA-WKB94G-934



Note: 1. TB02 is transmission terminal block. Never connect power line to it.

CMB-P104V-GB

Drw. : cmb-p104v-gB-W656-847

Symbol explanation

Symbol	Name
TR	Transformer
TH12,15	Thermistor sensor
LEV3	Expansion valve
CONT.B	Circuit BC board controller
TB01	Terminal block (for power source)
TB02	Terminal block (for transmission)
SV1~4A,B,C	Solenoid valve
T1~4	Terminal
F01	Fuse AC250V 6.3A F

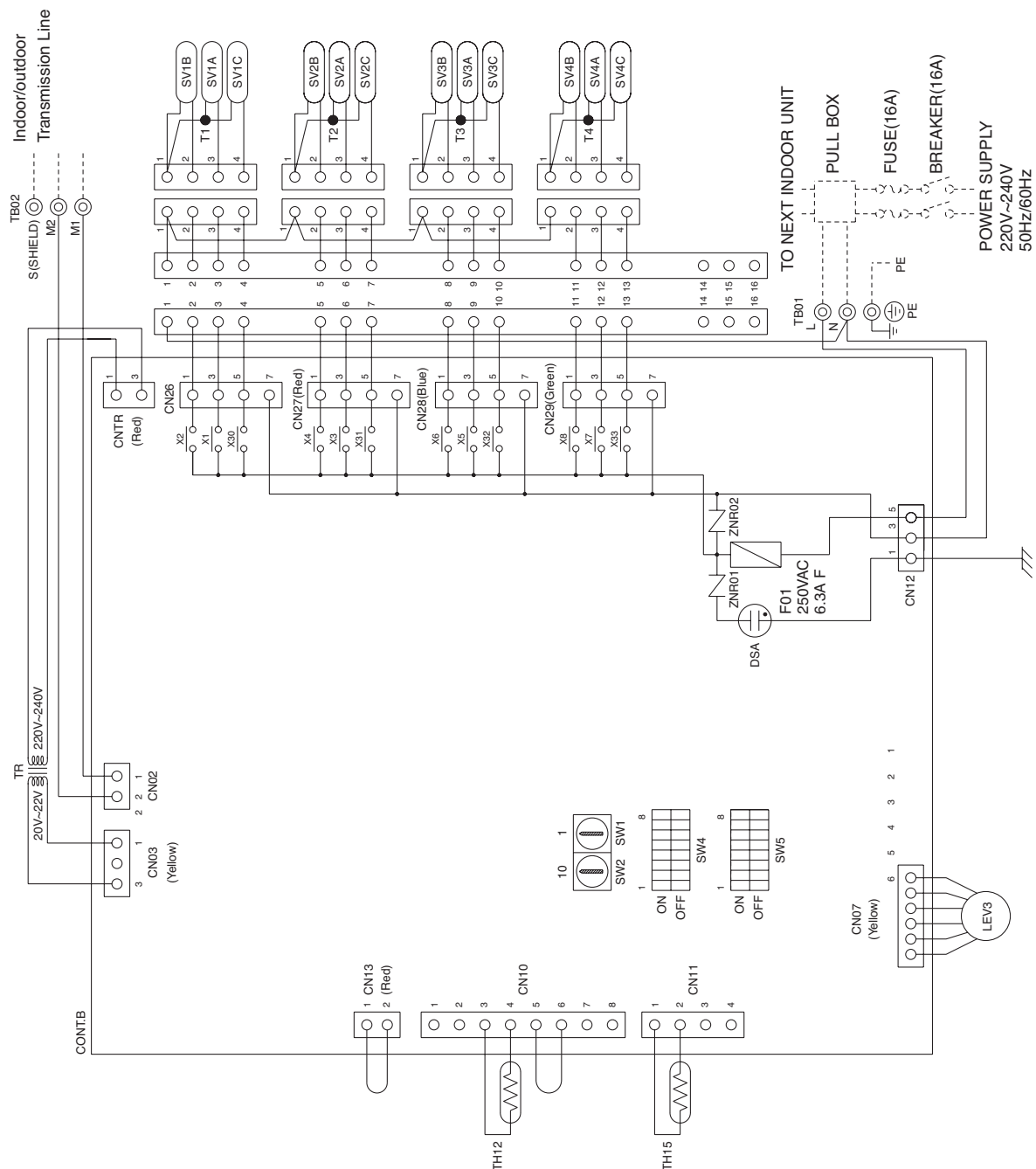
Note: 1. TB02 is transmission terminal block.

Never connect power line to it.

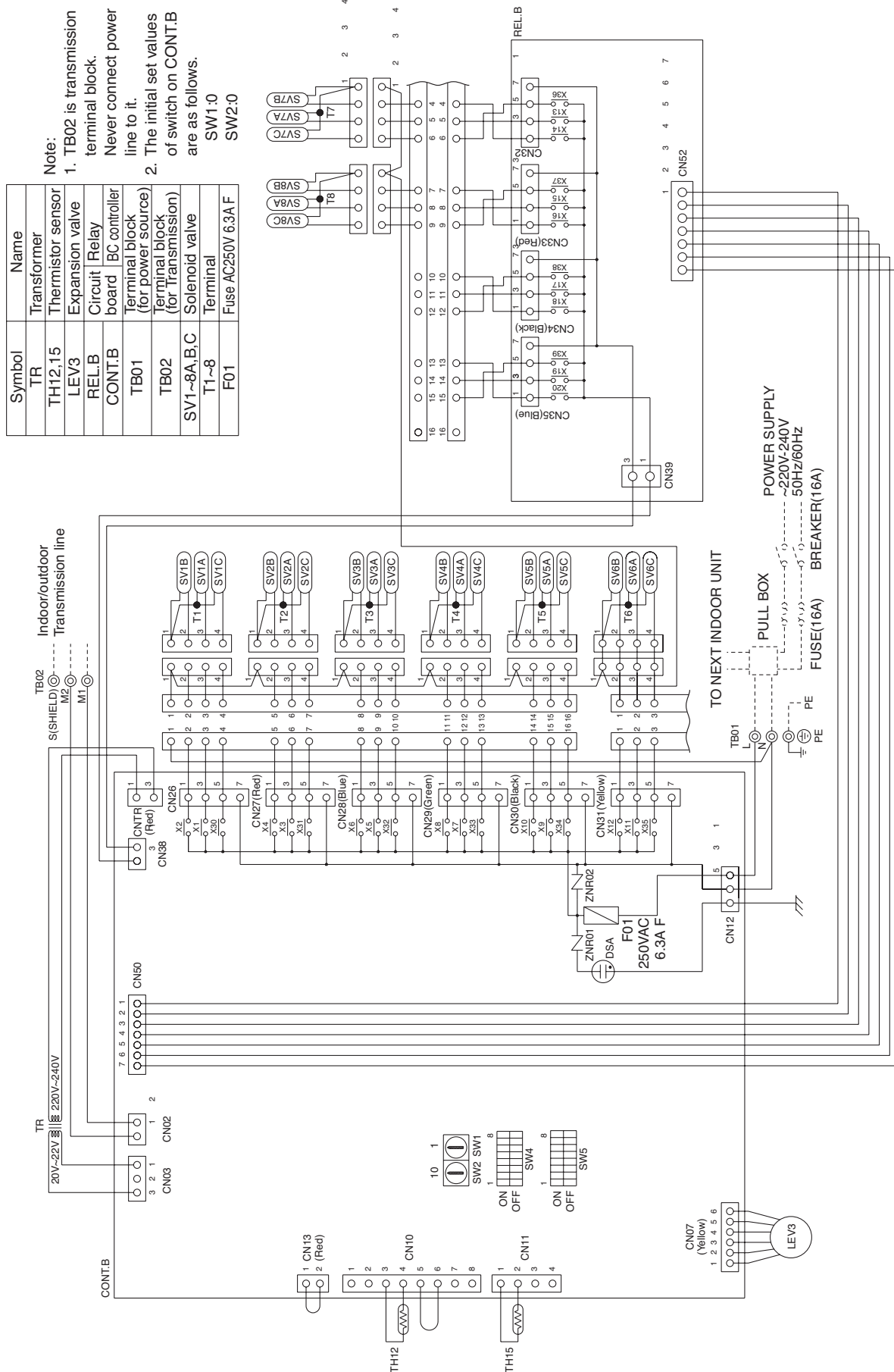
2. The initial set values of switch on CONT.B are as follows.

SW1: 0

SW2: 0

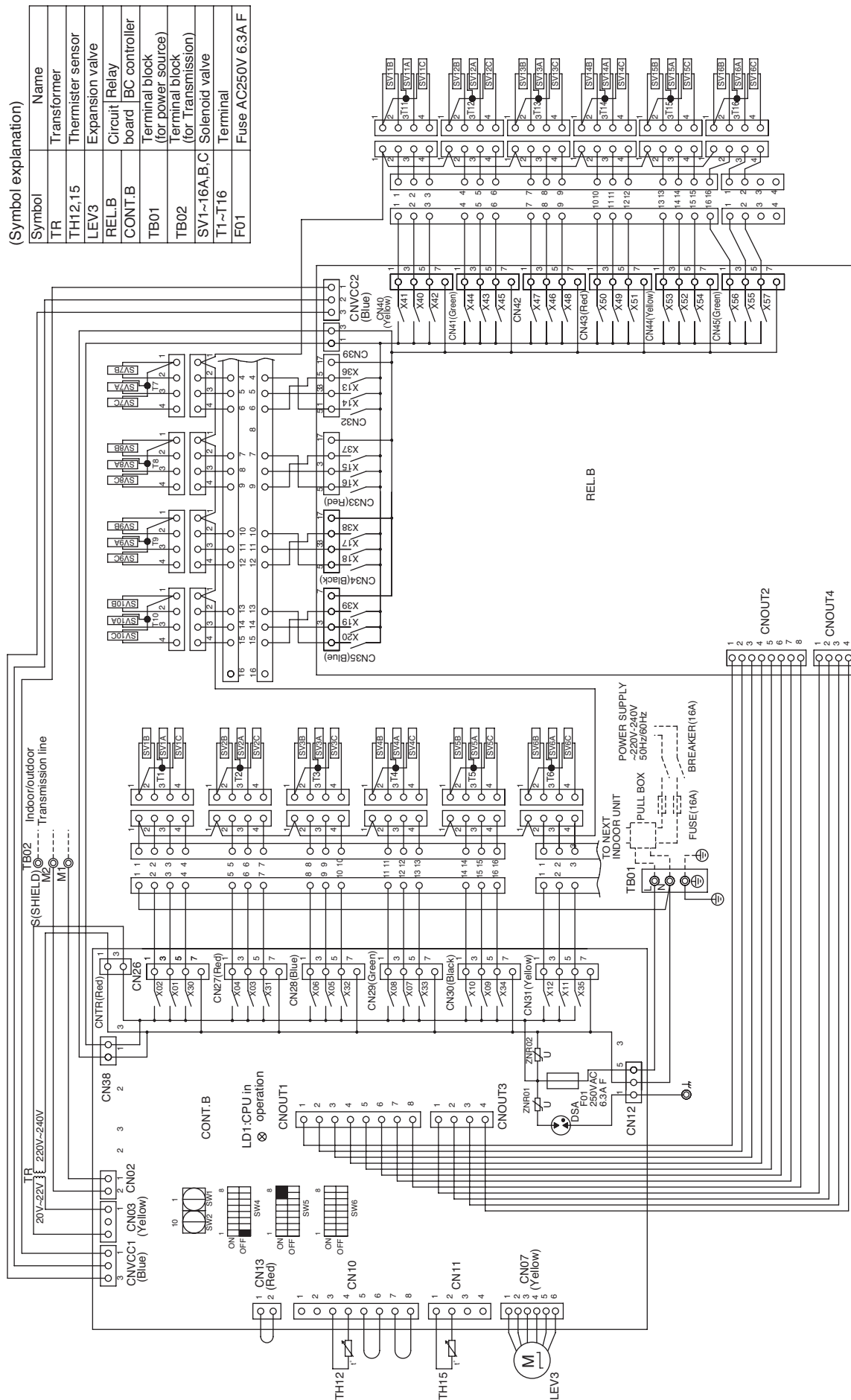


Drw. : cmb-p108v-gB-W656-848



CMB-P1016V-HB

Drw. : cmb-p1016v-hB-WKB94G-935



Note: 1. TB02 is transmission terminal block. Never connect power line to it.

2. The initial set values of switch on CONT.B are as follows.
SW1:0
SW2:0

