

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

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1. SPECIFICATIONS

DATA U10

Model name			CMB-P104NU-G		CMB-P105NU-G	
Number of branch			4		5	
Power source			1-phase 208/230V			
			60Hz	-	60Hz	-
Power input (208/230)	Cooling	kW	0.060	-	0.073	-
	Heating		0.027	-	0.033	-
Current (208/230)	Cooling	A	0.29/0.26	-	0.35/0.32	-
	Heating		0.13/0.12	-	0.16/0.14	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)			
Connectable outdoor unit			PURY-P72/96/120TKMU-A(-BS), PURY-P72/96/120YKMU-A(-BS), PURY-HP72/96TKMU-A, PURY-HP72/96YKMU-A, PQRY-P72/96/120THMU-A, PQRY-P72/96/120YHMU-A PQRY-P72/96/120ZKMU-A			
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)			
External dimension H x W x D		in. (mm)	11-3/16 x 25-17/32 x 17-1/32 (284 x 648 x 432)			
Refrigerant piping diameter	Connectable outdoor unit		To outdoor unit			
	capacity		High press. pipe		Low press. pipe	
		to P72	5/8 (15.88)		3/4 (19.05)	
		in. (mm) O.D.	Braze		Braze	
		P73 to P108	3/4 (19.05)		7/8 (22.2)	
		in. (mm) O.D.	Braze		Braze	
	P109 to P126	3/4 (19.05)		1-1/8 (28.58)		
	in. (mm) O.D.	Braze		Braze		
	To indoor unit					
			Liquid pipe		Gas pipe	
in. (mm) O.D.	3/8 (9.52) Flare (1/4 (6.35) with attached reducer used.)		5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05) and 7/8 (22.2) with optional joint pipe used.)			
Field drain pipe size		in. (mm) O.D.	1-1/4 (32)		1-1/4 (32)	
Net weight		lbs (kg)	64 (29)		72 (32)	
Accessories			Drain Connection pipe(with flexible hose and insulation) Reducer		Drain Connection pipe(with flexible hose and insulation) Reducer	
Remark						
Note:						
1. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications.						
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. The data presented is based on a specific combination.						

Model name			CMB-P106NU-G		CMB-P108NU-G	
Number of branch			6		8	
Power source			1-phase 208/230V			
			60Hz	-	60Hz	-
Power input (208/230)	Cooling	kW	0.086	-	0.112	-
	Heating		0.040	-	0.053	-
Current (208/230)	Cooling	A	0.41/0.37	-	0.54/0.49	-
	Heating		0.19/0.17	-	0.25/0.23	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)			
Connectable outdoor unit			PURY-P72/96/120TKMU-A(-BS), PURY-P72/96/120YKMU-A(-BS), PURY-HP72/96TKMU-A, PURY-HP72/96YKMU-A, PQRY-P72/96/120THMU-A, PQRY-P72/96/120YHMU-A PQRY-P72/96/120ZKMU-A			
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)			
External dimension H x W x D		in. (mm)	11-3/16 x 25-17/32 x 17-1/32 (284 x 648 x 432)			
Refrigerant piping diameter	Connectable outdoor unit		To outdoor unit			
	capacity		High press. pipe		Low press. pipe	
		to P72	5/8 (15.88)		3/4 (19.05)	
		in. (mm) O.D.	Brazed		Brazed	
		P73 to P108	3/4 (19.05)		7/8 (22.2)	
		in. (mm) O.D.	Brazed		Brazed	
	P109 to P126	3/4 (19.05)		1-1/8 (28.58)		
	in. (mm) O.D.	Brazed		Brazed		
			To indoor unit			
			Liquid pipe		Gas pipe	
in. (mm) O.D.		3/8 (9.52) Flare (1/4 (6.35) with attached reducer used.)		5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05) and 7/8 (22.2) with optional joint pipe used.)		
Field drain pipe size		in. (mm) O.D.	1-1/4 (32)		1-1/4 (32)	
Net weight		lbs (kg)	76 (34)		84 (38)	
Accessories			Drain Connection pipe(with flexible hose and insulation) Reducer		Drain Connection pipe(with flexible hose and insulation) Reducer	
Remark						
Note: 1. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications. 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. The data presented is based on a specific combination.						

1. SPECIFICATIONS

DATA U10

Model name			CMB-P1010NU-G		CMB-P1013NU-G	
Number of branch			10		13	
Power source			1-phase 208/230V			
			60Hz	-	60Hz	-
Power input (208/230)	Cooling	kW	0.138	-	0.178	-
	Heating		0.066	-	0.086	-
Current (208/230)	Cooling	A	0.66/0.60	-	0.86/0.77	-
	Heating		0.32/0.29	-	0.41/0.37	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)			
Connectable outdoor unit			PURY-P72/96/120TKMU-A(-BS), PURY-P72/96/120YKMU-A(-BS), PURY-HP72/96TKMU-A, PURY-HP72/96YKMU-A, PQRY-P72/96/120THMU-A, PQRY-P72/96/120YHMU-A PQRY-P72/96/120ZKMU-A			
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)			
External dimension H x W x D		in. (mm)	11-3/16 x 25-17/32 x 17-1/32 (284 x 648 x 432)		11-3/16 x 43-1/4 x 17-1/32 (284 x 1,098 x 432)	
Refrigerant piping diameter	Connectable outdoor unit		To outdoor unit			
	capacity		High press. pipe		Low press. pipe	
		to P72	5/8 (15.88)		3/4 (19.05)	
		in. (mm) O.D.	Brazed		Brazed	
		P73 to P108	3/4 (19.05)		7/8 (22.2)	
		in. (mm) O.D.	Brazed		Brazed	
		P109 to P126	3/4 (19.05)		1-1/8 (28.58)	
	in. (mm) O.D.	Brazed		Brazed		
		To indoor unit				
			Liquid pipe		Gas pipe	
	in. (mm) O.D.	3/8 (9.52) Flare (1/4 (6.35) with attached reducer used.)		5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05) and 7/8 (22.2) with optional joint pipe used.)		
Field drain pipe size		in. (mm) O.D.	1-1/4 (32)		1-1/4 (32)	
Net weight		lbs (kg)	94 (42)		126 (57)	
Accessories			Drain Connection pipe(with flexible hose and insulation) Reducer		Drain Connection pipe(with flexible hose and insulation) Reducer	
Remark						
Note:						
1. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications.						
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. The data presented is based on a specific combination.						

1. SPECIFICATIONS

DATA U10

Model name			CMB-P1016NU-G	
Number of branch			16	
Power source			1-phase 208/230V	
			60Hz	-
Power input (208/230)	Cooling	kW	0.217	-
	Heating		0.106	-
Current (208/230)	Cooling	A	1.04/0.94	-
	Heating		0.51/0.46	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)	
Connectable outdoor unit			PURY-P72/96/120TKMU-A(-BS), PURY-P72/96/120YKMU-A(-BS), PURY-HP72/96TKMU-A, PURY-HP72/96YKMU-A, PQRY-P72/96/120THMU-A, PQRY-P72/96/120YHMU-A PQRY-P72/96/120ZKMU-A	
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)	
External dimension H x W x D		in. (mm)	11-3/16 x 43-1/4 x 17-1/32 (284 x 1,098 x 432)	
Refrigerant piping diameter	Connectable outdoor unit		To outdoor unit	
	capacity		High press. pipe	Low press. pipe
		to P72	5/8 (15.88)	3/4 (19.05)
		in. (mm) O.D.	Brazed	Brazed
		P73 to P108	3/4 (19.05)	7/8 (22.2)
		in. (mm) O.D.	Brazed	Brazed
	P109 to P126	3/4 (19.05)	1-1/8 (28.58)	
	in. (mm) O.D.	Brazed	Brazed	
			To indoor unit	
			Liquid pipe	Gas pipe
in. (mm) O.D.		3/8 (9.52) Flare (1/4 (6.35) with attached reducer used.)	5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05) and 7/8 (22.2) with optional joint pipe used.)	
Field drain pipe size		in. (mm) O.D.	1-1/4 (32)	
Net weight		lbs (kg)	138 (62)	
Accessories			Drain Connection pipe(with flexible hose and insulation) Reducer	
Remark				
Note: 1. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications. 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. The data presented is based on a specific combination.				

BC

1. SPECIFICATIONS

DATA U10

Model name			CMB-P108NU-GA		CMB-P1010NU-GA	
Number of branch			8		10	
Power source			1-phase 208/230V			
			60Hz	-	60Hz	-
Power input (208/230)	Cooling	kW	0.112	-	0.138	-
	Heating		0.053	-	0.066	-
Current (208/230)	Cooling	A	0.54/0.49	-	0.66/0.60	-
	Heating		0.25/0.23	-	0.32/0.29	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)			
Connectable outdoor unit			PURY-P72/96/120/144/168/192/216/240T(S)KMU-A(-BS), PURY-P72/96/120/144/168/192/216/240Y(S)KMU-A(-BS), PURY-HP72/96/144/192T(S)KMU-A, PURY-HP72/96/144/192Y(S)KMU-A, PQRY-P72/96/120/144/168/192/216/240T(S)HMU-A, PQRY-P72/96/120/144/168/192/216/240Y(S)HMU-A PQRY-P72/96/120/144/168/192/216/240Z(S)KMU-A			
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)			
External dimension H x W x D		in. (mm)	11-13/32 x 43-23/32 x 20-1/2 (289 x 1,110 x 520)			
Refrigerant piping diameter	Connectable outdoor unit		To outdoor unit (PURY)			
	capacity		High press. pipe		Low press. pipe	
	to P72 in. (mm) O.D.		5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	P73 to P108 in. (mm) O.D.		3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	P109 to P126 in. (mm) O.D.		3/4 (19.05) Brazed		1-1/8 (28.58) Brazed	
	P127 to P192 in. (mm) O.D.		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
	P193 to P216 in. (mm) O.D.		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	P217 to P240 in. (mm) O.D.		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	
	Connectable heat source unit		To heat source unit (PQRY)			
	capacity		High press. pipe		Low press. pipe	
	to P72 in. (mm) O.D.		5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	P73 to P108 in. (mm) O.D.		3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	P109 to P126 in. (mm) O.D.		3/4 (19.05) Brazed		1-1/8 (28.58) Brazed	
	P127 to P192 in. (mm) O.D.		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
	P193 to P240 in. (mm) O.D.		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
			To indoor unit			
			Liquid pipe		Gas pipe	
		in. (mm) O.D.	3/8 (9.52) Flare (1/4 (6.35) with attached reducer used.)		5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05) and 7/8 (22.2) with optional joint pipe used.)	
	Total indoor unit capacity		To other BC controller			
	connected to this Sub BC		High press. pipe		Low press. pipe	
	controller		Liquid pipe			
		to P72	5/8 (15.88) Brazed		3/4 (19.05) Brazed	
		in. (mm) O.D.	3/8 (9.52) Brazed			
		P73 to P108	3/4 (19.05) Brazed		7/8 (22.2) Brazed	
		in. (mm) O.D.	3/8 (9.52) Brazed			
		P109 to P126	3/4 (19.05) Brazed		1-1/8 (28.58) Brazed	
		in. (mm) O.D.	1/2 (12.7) Brazed			
Field drain pipe size	in. (mm) O.D.	1-1/4 (32)		1-1/4 (32)		
Net weight	lbs (kg)	122 (55)		132 (59)		
Accessories			Drain Connection pipe(with flexible hose and insulation) Reducer		Drain Connection pipe(with flexible hose and insulation) Reducer	
Remark						
Note: 1. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications. 2. The equipment is for R410A refrigerant. 3. P204 to P240 type outdoor unit side high press. pipe can changed to "1-1/8 (28.58) Brazed". 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. The data presented is based on a specific combination.						

1. SPECIFICATIONS

DATA U10

Model name			CMB-P1013NU-GA		CMB-P1016NU-GA	
Number of branch			13		16	
Power source			1-phase 208/230V			
			60Hz	-	60Hz	-
Power input (208/230)	Cooling	kW	0.178	-	0.217	-
	Heating		0.086	-	0.106	-
Current (208/230)	Cooling	A	0.86/0.77	-	1.04/0.94	-
	Heating		0.41/0.37	-	0.51/0.46	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)			
Connectable outdoor unit			PURY-P72/96/120/144/168/192/216/240T(S)KMU-A(-BS), PURY-P72/96/120/144/168/192/216/240Y(S)KMU-A(-BS), PURY-HP72/96/144/192T(S)KMU-A, PURY-HP72/96/144/192Y(S)KMU-A, PQRY-P72/96/120/144/168/192/216/240T(S)HMU-A, PQRY-P72/96/120/144/168/192/216/240Y(S)HMU-A PQRY-P72/96/120/144/168/192/216/240Z(S)KMU-A			
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)			
External dimension H x W x D		in. (mm)	11-13/32 x 43-23/32 x 20-1/2 (289 x 1,110 x 520)			
Refrigerant piping diameter	Connectable outdoor unit		To outdoor unit (PURY)			
	capacity		High press. pipe		Low press. pipe	
	to P72 in. (mm) O.D.		5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	P73 to P108 in. (mm) O.D.		3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	P109 to P126 in. (mm) O.D.		3/4 (19.05) Brazed		1-1/8 (28.58) Brazed	
	P127 to P192 in. (mm) O.D.		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
	P193 to P216 in. (mm) O.D.		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	P217 to P240 in. (mm) O.D.		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	
	Connectable heat source unit		To heat source unit (PQRY)			
	capacity		High press. pipe		Low press. pipe	
	to P72 in. (mm) O.D.		5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	P73 to P108 in. (mm) O.D.		3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	P109 to P126 in. (mm) O.D.		3/4 (19.05) Brazed		1-1/8 (28.58) Brazed	
	P127 to P192 in. (mm) O.D.		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
	P193 to P240 in. (mm) O.D.		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
			To indoor unit			
			Liquid pipe		Gas pipe	
	in. (mm) O.D.		3/8 (9.52) Flare (1/4 (6.35) with attached reducer used.)		5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05) and 7/8 (22.2) with optional joint pipe used.)	
	Total indoor unit capacity		To other BC controller			
	connected to this Sub BC		High press. pipe		Low press. pipe	
	controller		Liquid pipe			
	to P72		5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	in. (mm) O.D.		3/8 (9.52) Brazed			
	P73 to P108		3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	in. (mm) O.D.		3/8 (9.52) Brazed			
P109 to P126		3/4 (19.05) Brazed		1-1/8 (28.58) Brazed		
in. (mm) O.D.		1/2 (12.7) Brazed				
Field drain pipe size	in. (mm) O.D.		1-1/4 (32)		1-1/4 (32)	
Net weight	lbs (kg)		148 (67)		162 (73)	
Accessories			Drain Connection pipe(with flexible hose and insulation) Reducer		Drain Connection pipe(with flexible hose and insulation) Reducer	
Remark						
Note: 1. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications. 2. The equipment is for R410A refrigerant. 3. P204 to P240 type outdoor unit side high press. pipe can changed to "1-1/8 (28.58) Brazed". 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. The data presented is based on a specific combination.						

BC

1. SPECIFICATIONS

DATA U10

Model name			CMB-P1016NU-HA	
Number of branch			16	
Power source			1-phase 208/230 V 60Hz	
			60Hz	-
Power input (208/230)	Cooling	kW	0.274/0.353	-
	Heating		0.137/0.177	-
Current (208/230)	Cooling	A	1.32/1.54	-
	Heating		0.66/0.77	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)	
Connectable outdoor unit			PURY-P72/96/120/144/168/192/216/240/264/288T(S)KMU-A(-BS), PURY-P72/96/120/144/168/192/216/240/264/288Y(S)KMU-A(-BS), PURY-HP72/96/144/192T(S)KMU-A, PURY-HP72/96/144/192Y(S)KMU-A, PQRY-P72/96/120/144/168/192/216/240T(S)HMU-A, PQRY-P72/96/120/144/168/192/216/240Y(S)HMU-A PQRY-P72/96/120/144/168/192/216/240Z(S)KMU-A	
Connectable BC controller		Main BC	- CMB-P104/108NU-GB, CMB-P1016NU-HB	
		Sub BC		
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)	
External dimension H x W x D		in. (mm)	11-7/16 x 43-3/4 x 20-1/2 (289 x 1,110 x 520)	
Refrigerant piping diameter	Connectable outdoor unit		To outdoor unit (PURY)	
	capacity		High press. pipe	Low press. pipe
		to P72 in. (mm) O.D.	5/8 (15.88) Brazed	3/4 (19.05) Brazed
		P73 to P108 in. (mm) O.D.	3/4 (19.05) Brazed	7/8 (22.2) Brazed
		P109 to P126 in. (mm) O.D.	3/4 (19.05) Brazed	1-1/8 (28.58) Brazed
		P127 to P192 in. (mm) O.D.	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
		P193 to P216 in. (mm) O.D.	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
		P217 to P240 in. (mm) O.D.	1-1/8 (28.58) Brazed	1-3/8 (34.93) Brazed
		P241 to P288 in. (mm) O.D.	1-1/8 (28.58) Brazed	1-3/8 (34.93) Brazed
	Connectable heat source unit		To heat source unit (PQRY)	
	capacity		High press. pipe	Low press. pipe
		to P72 in. (mm) O.D.	5/8 (15.88) Brazed	3/4 (19.05) Brazed
		P73 to P108 in. (mm) O.D.	3/4 (19.05) Brazed	7/8 (22.2) Brazed
		P109 to P126 in. (mm) O.D.	3/4 (19.05) Brazed	1-1/8 (28.58) Brazed
		P127 to P192 in. (mm) O.D.	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
		P193 to P240 in. (mm) O.D.	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
			To indoor unit	
	in. (mm) O.D.		Liquid pipe	Gas pipe
			3/8 (9.52) Flare (1/4 (6.35) with attached reducer used, 1/2 (12.7) with optional joint pipe used.)	5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05), 7/8 (22.2) with optional joint pipe used.)
	Total indoor unit capacity connected to this Sub BC controller		To other BC controller	
			High press. pipe	Low press. pipe
			Liquid pipe	
		to P72	5/8 (15.88) Brazed	3/4 (19.05) Brazed
		in. (mm) O.D.	3/8 (9.52) Brazed	
		P73 to P108	3/4 (19.05) Brazed	7/8 (22.2) Brazed
		in. (mm) O.D.	3/8 (9.52) Brazed	
		P109 to P126	3/4 (19.05) Brazed	1-1/8 (28.58) Brazed
		in. (mm) O.D.	1/2 (12.7) Brazed	
		P127 to P144	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
		in. (mm) O.D.	1/2 (12.7) Brazed	
	P145 to P168	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	
	in. (mm) O.D.	5/8 (15.88) Brazed		
Field drain pipe size	in. (mm) O.D.	1-1/4 (32)		
Net weight		lbs (kg)	172 (78)	
Accessories			Drain Connection pipe (with flexible hose and insulation) Reducer	
Remark				
Note: 1. Use this product when connecting outdoor unit P264 or more. 2. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications. 3. The equipment is for R410A refrigerant. 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. The data presented is based on a specific combination.				

1. SPECIFICATIONS

DATA U10

Model name			CMB-P104NU-GB		CMB-P108NU-GB	
Number of branch			4		8	
Power source			1-phase 208/230V			
			60Hz	-	60Hz	-
Power input (208/230)	Cooling	kW	0.053	-	0.106	-
	Heating		0.027	-	0.053	-
Current (208/230)	Cooling	A	0.25/0.23	-	0.51/0.46	-
	Heating		0.13/0.12	-	0.25/0.23	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)			
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.) (Use the reducer (standard accessory) when the indoor unit Model 18 or smaller is connected.)			
External dimension H x W x D		in. (mm)	11-3/16 x 25-17/32 x 17-1/32 (284 x 648 x 432)			
Refrigerant piping diameter	To indoor unit					
			Liquid pipe		Gas pipe	
	in. (mm) O.D.		3/8 (9.52) Flare (1/4 (6.35) with attached reducer used.)		5/8 (15.88) Flare (1/2 (12.7) with attached reducer used, 3/4 (19.05) and 7/8 (22.2) with optional joint pipe used.)	
	Total indoor unit capacity connected to this Sub BC controller		To other BC controller			
			High press. pipe		Low press. pipe	
			Liquid pipe			
	to P72		5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	in. (mm) O.D.		3/8 (9.52) Brazed			
	P73 to P108		3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	in. (mm) O.D.		3/8 (9.52) Brazed			
	P109 to P126		3/4 (19.05) Brazed		1-1/8 (28.58) Brazed	
	in. (mm) O.D.		1/2 (12.7) Brazed			
Field drain pipe size		in. (mm) O.D.	1-1/4 (32)		1-1/4 (32)	
Net weight		lbs (kg)	62 (28)		82 (37)	
Accessories			Drain Connection pipe(with flexible hose and insulation) Reducer		Drain Connection pipe(with flexible hose and insulation) Reducer	
Remark						
Note: 1. Works not included : Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items are not specified in this specifications. 2. The equipment is for R410A refrigerant. 3. To use the Sub BC controller, the Main BC controller is necessary to be connected with. 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. The data presented is based on a specific combination.						

1. SPECIFICATIONS

DATA U10

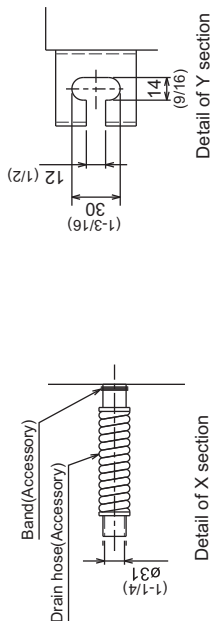
Model name			CMB-P1016NU-HB	
Number of branch			16	
Power source			1-phase 208/230 V 60Hz	
			60Hz	-
Power input (208/230)	Cooling	kW	0.314	-
	Heating		0.157	-
Current (208/230)	Cooling	A	1.17/1.37	-
	Heating		0.59/0.69	-
External finish			Galvanized steel plate (Lower part drain pan :Pre-coated galvanized sheets + powder coating)	
Connectable BC controller		Main BC	CMB-P108/1010/1013/1016NU-GA	
		Sub BC	CMB-P104/108NU-GB, CMB-P1016NU-HB	
Indoor unit capacity connectable to 1 branch		kW	Model P54 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds P55.) (Use the reducer(standard accessory)when the indoor unit Model 18 or smaller is connected.	
External dimension H x W x D		in. (mm)	11-3/16 x 43-1/4 x 17-1/32 (284 x 1098 x 432)	
Refrigerant piping diameter	Connectable outdoor unit capacity		To outdoor unit	
			High press. pipe	Low press. pipe
		in. (mm) O.D.	-	-
			To indoor unit	
			Liquid pipe	Gas pipe
		in. (mm) O.D.	3/8 (9.52) Flare (1/4 (6.35)with attached reducer used, 1/2 (12.7)with optional joint pipe used.)	5/8 (15.88) Flare (1/2 (12.7)with attached reducer used, 3/4 (19.05)with optional joint pipe used.)
	Total indoor unit capacity connected to this Sub BC controller		To other BC controller	
			High press. pipe	Low press. pipe
			Liquid pipe	
		to P72 in. (mm) O.D.	5/8 (15.88) Brazed	3/4 (19.05) Brazed
			3/8 (9.52) Brazed	
		P73 to P108 in. (mm) O.D.	3/4 (19.05) Brazed	7/8 (22.2) Brazed
			3/8 (9.52) Brazed	
		P109 to P126 in. (mm) O.D.	3/4 (19.05) Brazed	1-1/8 (28.58) Brazed
			1/2 (12.7) Brazed	
		P127 to P144 in. (mm) O.D.	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
			1/2 (12.7) Brazed	
		P145 to P168 in. (mm) O.D.	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
			5/8 (15.88) Brazed	
Field drain pipe size		in. (mm) O.D.	1-1/4 (32mm)	
Net weight		lbs (kg)	136 (61)	
Accessories			Drain Connection pipe (with flexible hose and insulation) Reducer	
Remark				
Note: 1. Works not included : Installation/foundation work,electrical connection work,duct work, duct work, insulation work, power source switch, and other items are not specifiedin this specifications. 2. The equipment is for R410A refrigerant. 3. For sub BC controller CMB-P1016NU-HB the connectable indoor unit capacities may sum to equal that of a P126 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 P168 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. The data presented is based on a specific combination.				

BC

CMB-P104,105,106,108,1010,1013,1016NU-G

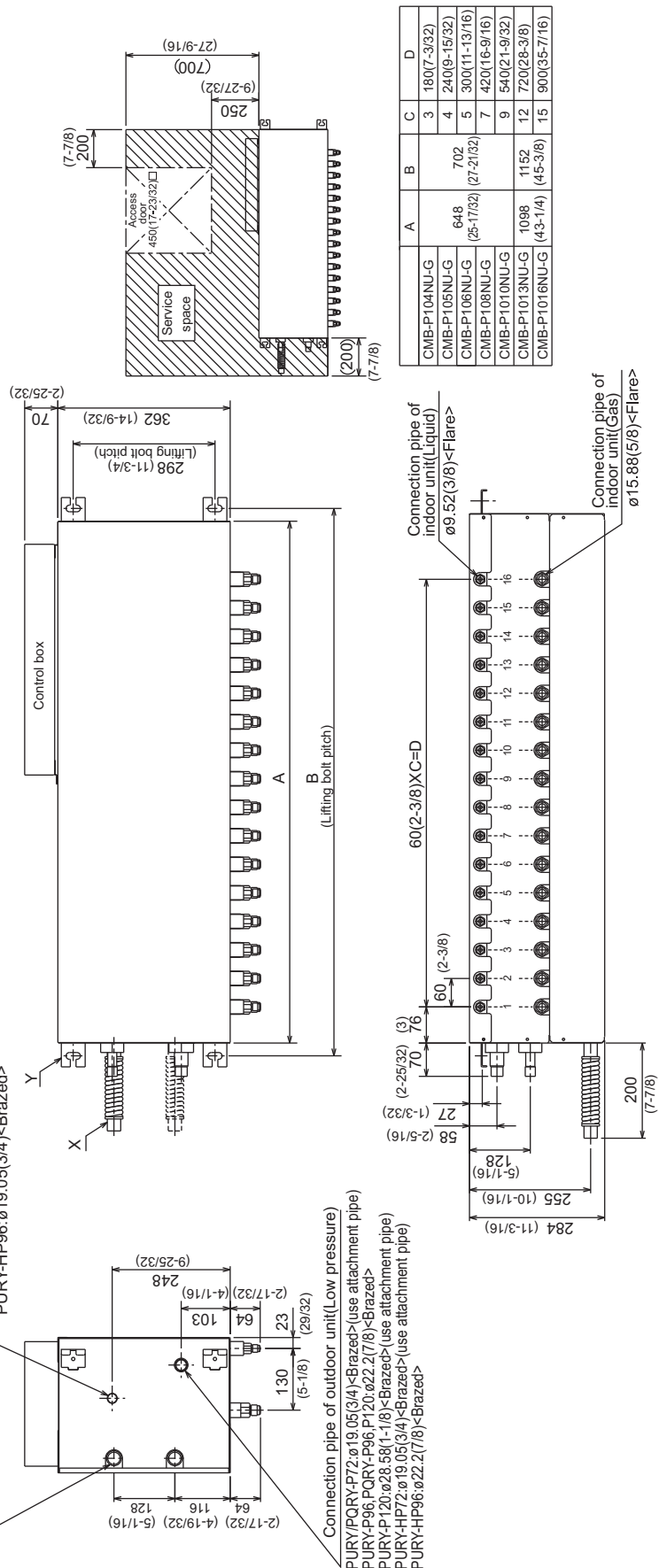
Unit : mm(in)

- <Accessories>
- Refrigerant<Low pressure> conn.pipe..... 2pcs.
 - Refrigerant<High pressure> conn.pipe..... 1pc.
 - Reducer(Large,Small).....Quantity for all connections
 - Drain hose 1pc.
 - Hose band..... 1pc.
 - Tie band..... 1pc.
- Note1.Suspension bolt(ø10),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.)



Connection pipe of outdoor unit(High pressure)
 PURY/PQRY-P72:ø15.88(5/8)<Brazed>(use attachment pipe)
 PURY/PQRY-P96:ø19.05(3/4)<Brazed>
 PURY/HP72:ø15.88(5/8)<Brazed>(use attachment pipe)
 PURY/HP96:ø19.05(3/4)<Brazed>

Drain piping
I.D.32 (1-1/4)



	A	B	C	D
CMB-P104NU-G	648	702	3	180(7-3/32)
CMB-P105NU-G			4	240(9-15/32)
CMB-P106NU-G			5	300(11-13/16)
CMB-P108NU-G			7	420(16-9/16)
CMB-P1010NU-G			9	540(21-9/32)
CMB-P1013NU-G	1098	1152	12	720(28-3/8)
CMB-P1016NU-G		(43-1/4)	15	900(35-7/16)

Unit : mm(in)



CMB-P104,108NU-GB

Drw. : CMB-P-NU-GB_W659643

Unit : mm(in)

- <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.....1pc.
 - Hose band.....1pc.
 - Tie band.....1pc.

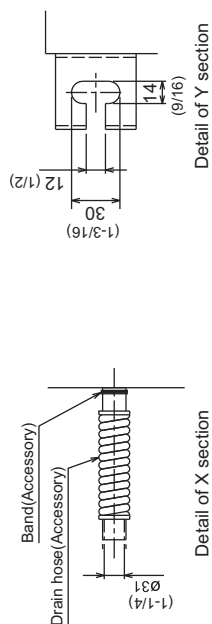
Note1.Suspension bolt(ø10),washer(M10),and nut(M10)

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.)

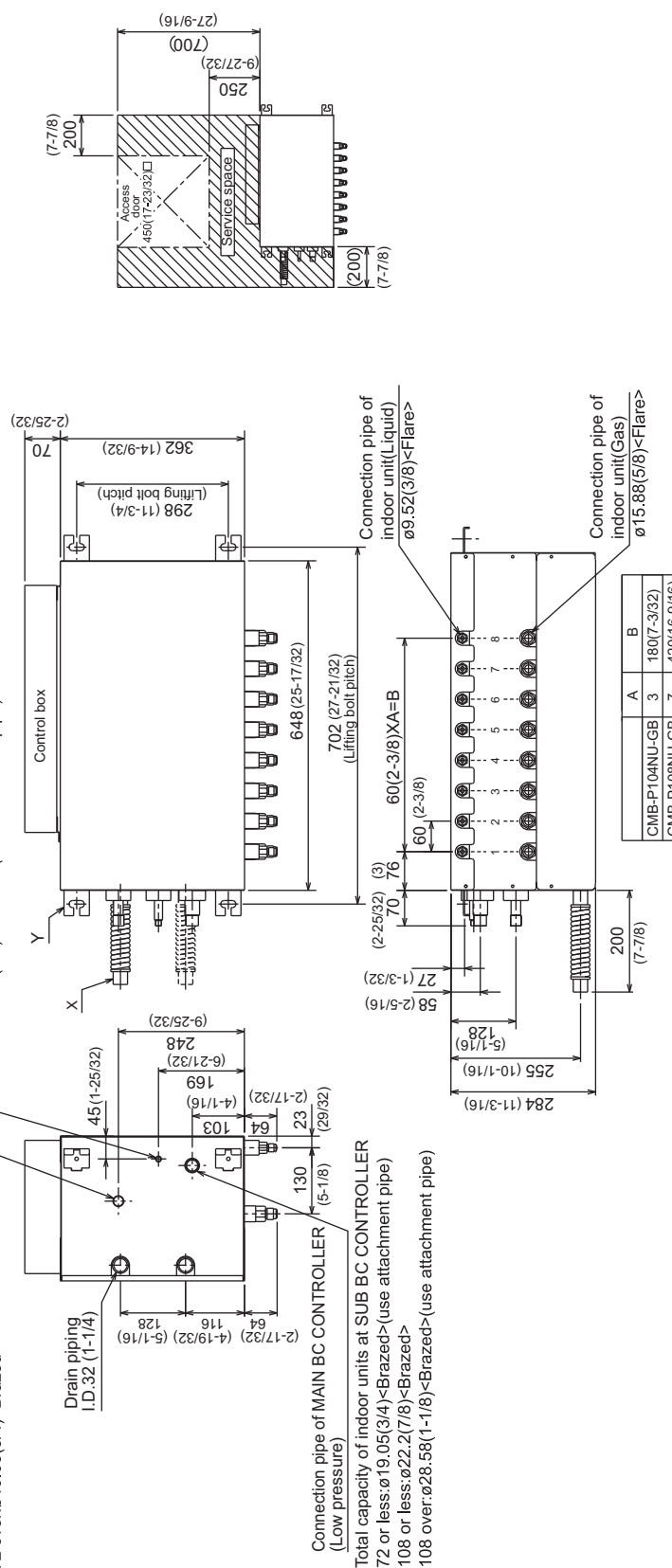
3.Can't use singleness (MAIN BC CONTROLLER is necessary.)



Connection pipe of MAIN BC CONTROLLER
(High pressure)

Total capacity of indoor units at SUB BC CONTROLLER
72 or less:ø15.88(5/8)<Brazed>(use attachment pipe)
72 over:ø19.05(3/4)<Brazed>

Connection pipe of MAIN BC CONTROLLER(Liquid)
Total capacity of indoor units at SUB BC CONTROLLER
108 or less:ø9.52(3/8)<Brazed>
108 over:ø12.7(1/2)<Brazed>(use attachment pipe)

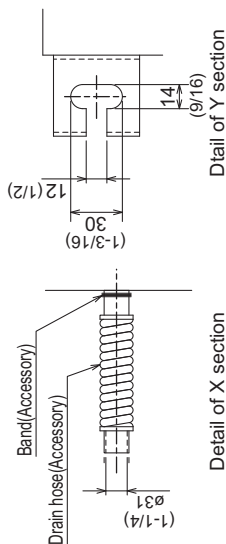


CMB-P1016NU-HB

Ref.: CMB_NU-HB_EXD_USDB_P1016
Unit: mm(in)

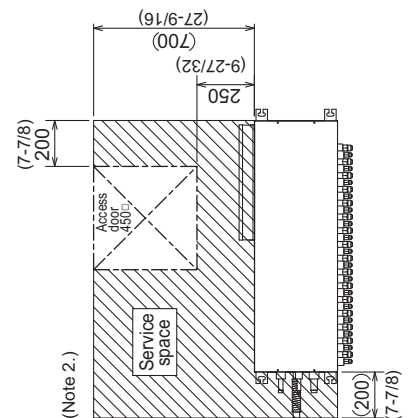
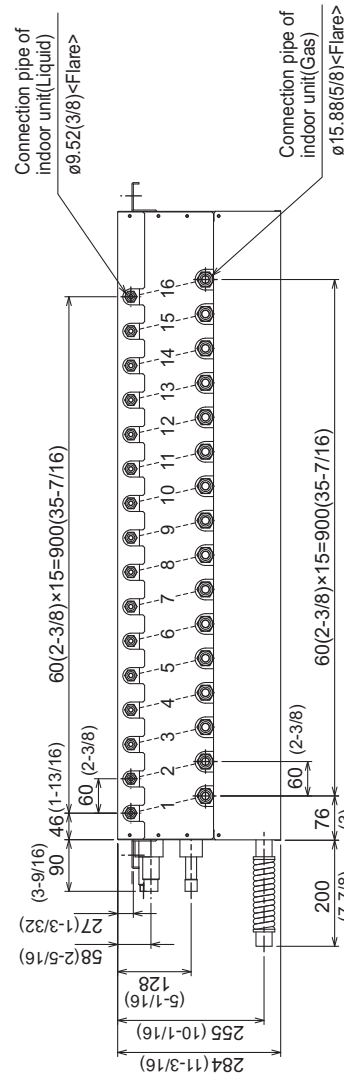
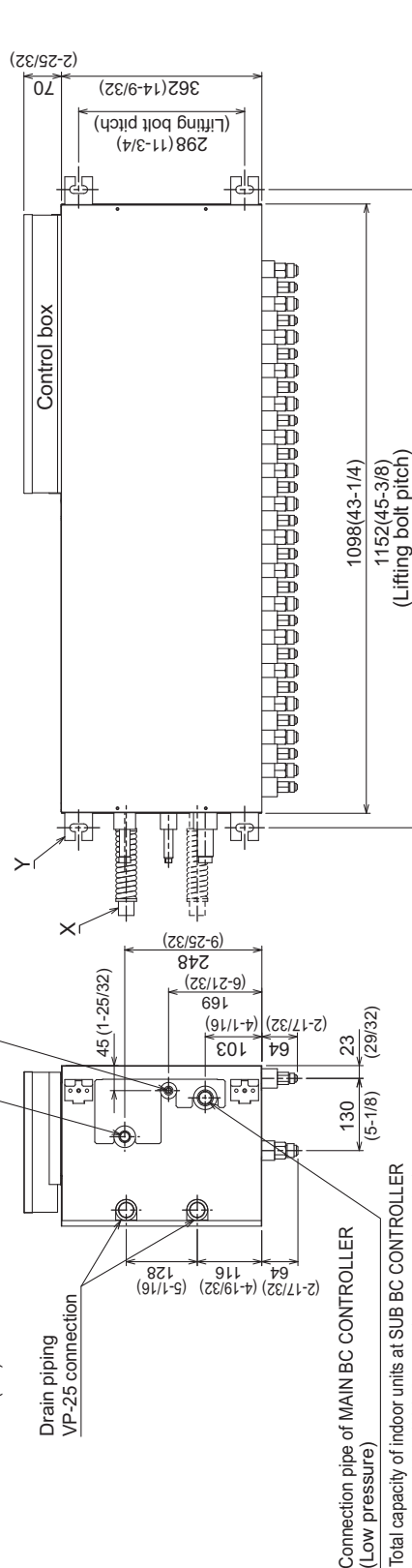
<Accessories>
 Refrigerant<Low pressure> conn. pipe.....4pcs.
 Refrigerant<High pressure> conn. pipe.....2pcs.
 Refrigerant<Liquid> conn. pipe.....2pcs.
 Reducer(Large Small).....Quantity for all connections
 Drain hose(VP-25 connection).....1pc.
 Hose band.....1pc.
 Tie band.....1pc.

Note 1. Suspension bolt (ø10), 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.)



Connection pipe of MAIN BC CONTROLLER (High pressure)
 Total capacity of indoor units at SUB BC CONTROLLER
 72 or less: ø15.88(5/8)<Brazed> (use attachment pipe)
 72 over : ø19.05(3/4)<Brazed>

Connection pipe of MAIN BC CONTROLLER (Liquid)
 Total capacity of indoor units at SUB BC CONTROLLER
 108 or less: ø9.52(3/8)<Brazed>
 108 over : ø12.7(1/2)<Brazed> (use attachment pipe)



BC

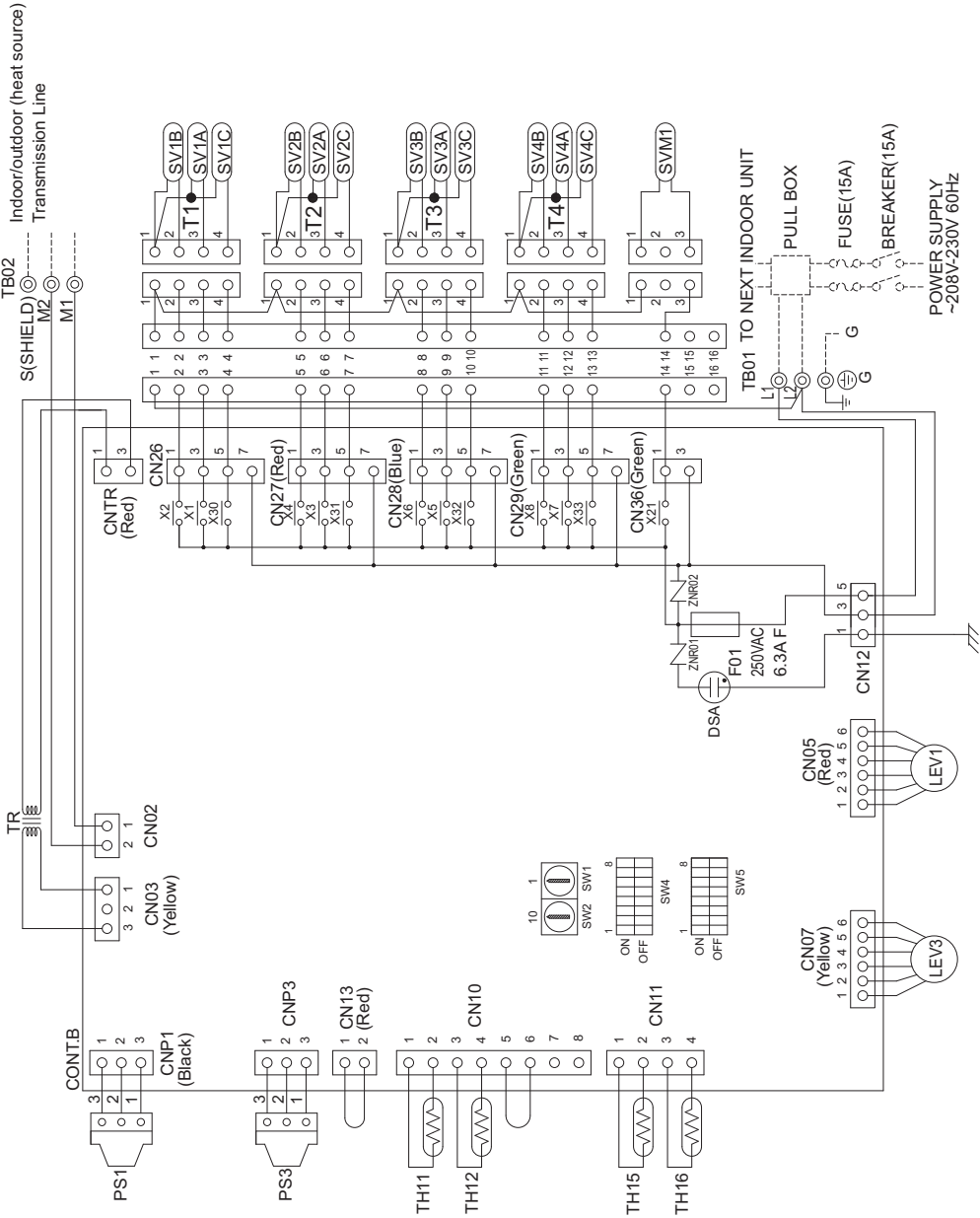
CMB-P104NU-G

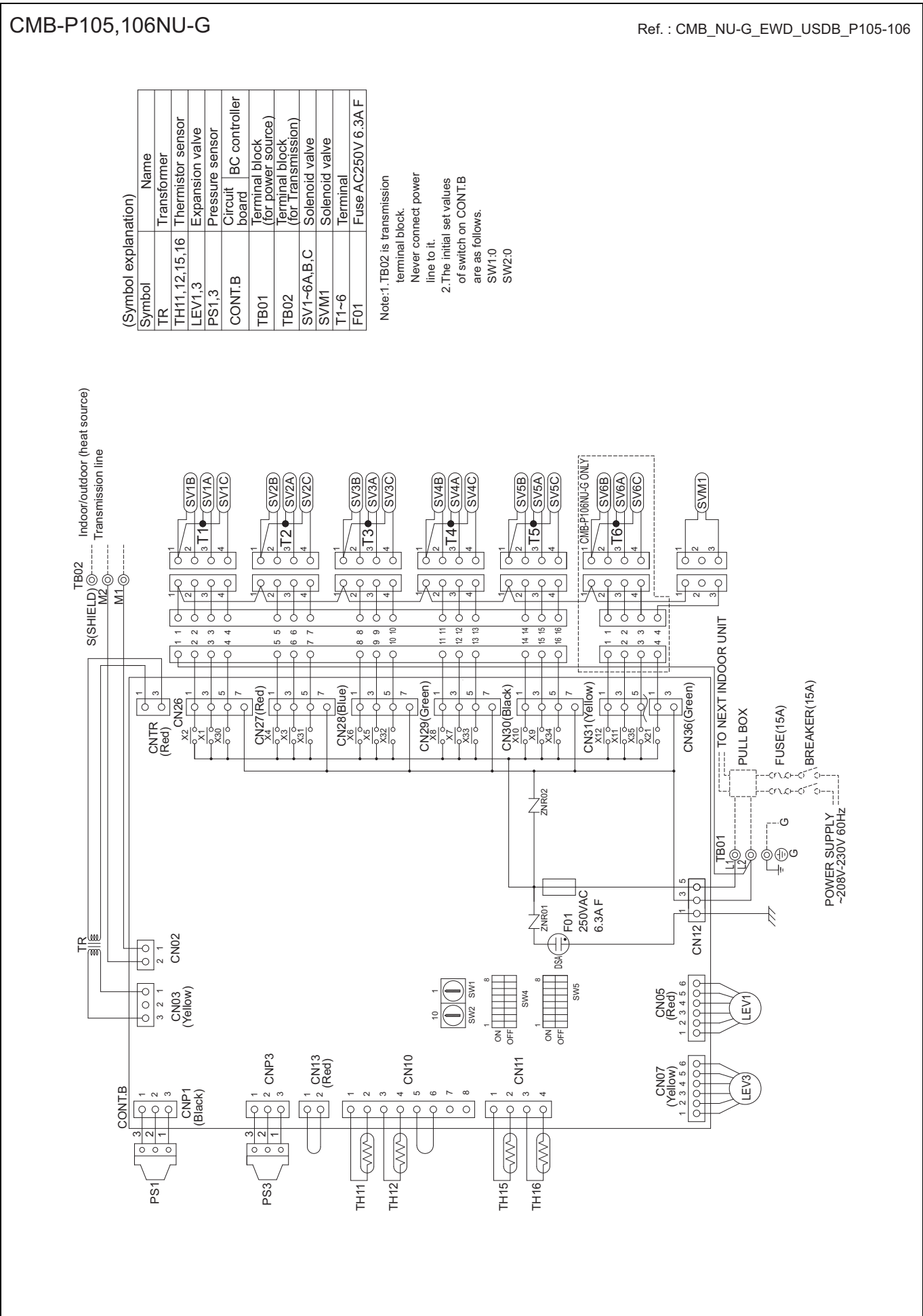
Ref. : CMB_NU-G_EWD_USDB_P104

(Symbol explanation)

Symbol	Name
TR	Transformer
TH11,12,15,16	Thermistor sensor
LEV1,3	Expansion valve
PS1,3	Pressure sensor
CONT.B	Circuit 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

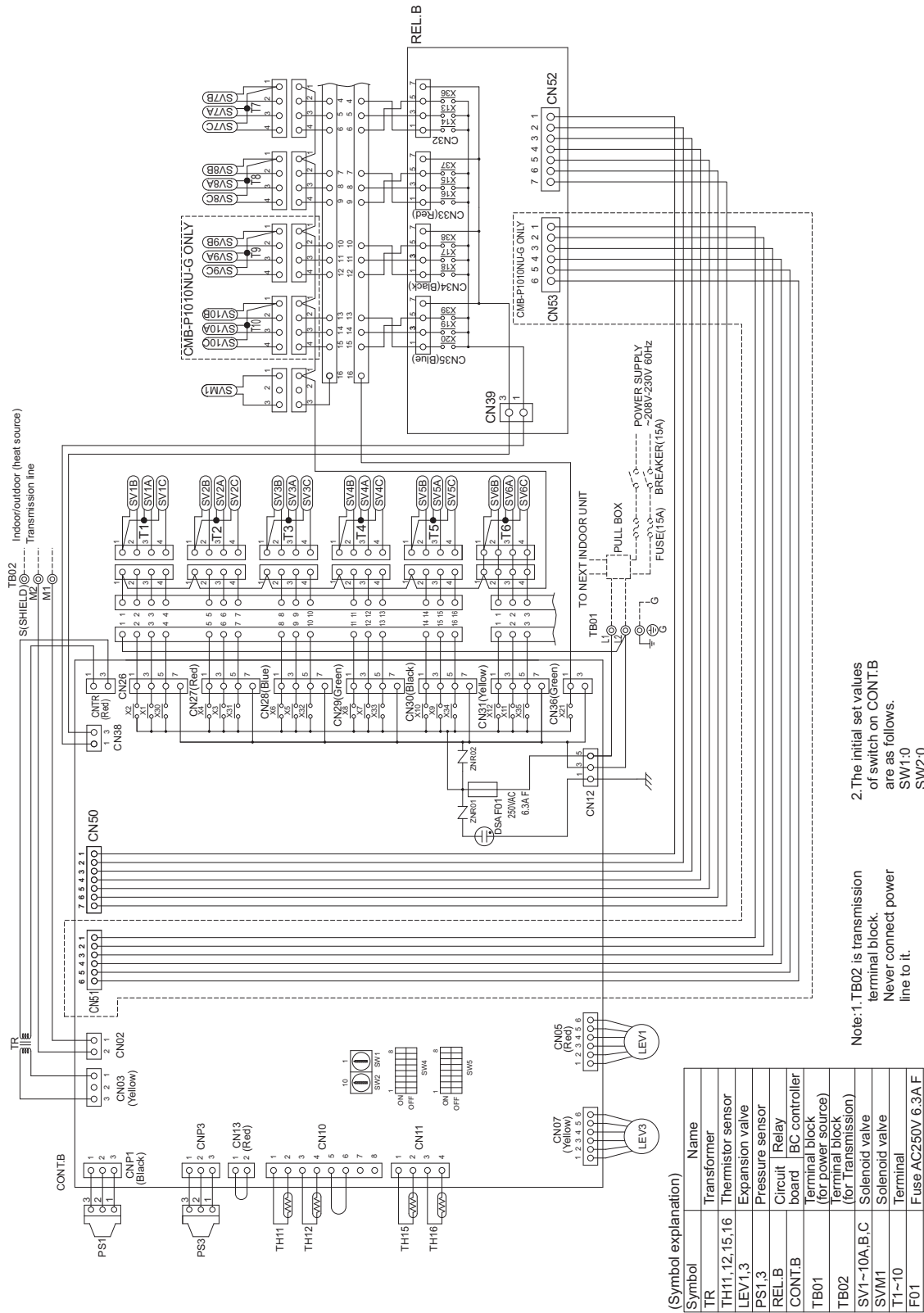
Note: 1. TB02 is transmission terminal block.
Never connect power line to it.
2. The initial set values of switch on CONT.B are as follows.
SW1:0
SW2:0





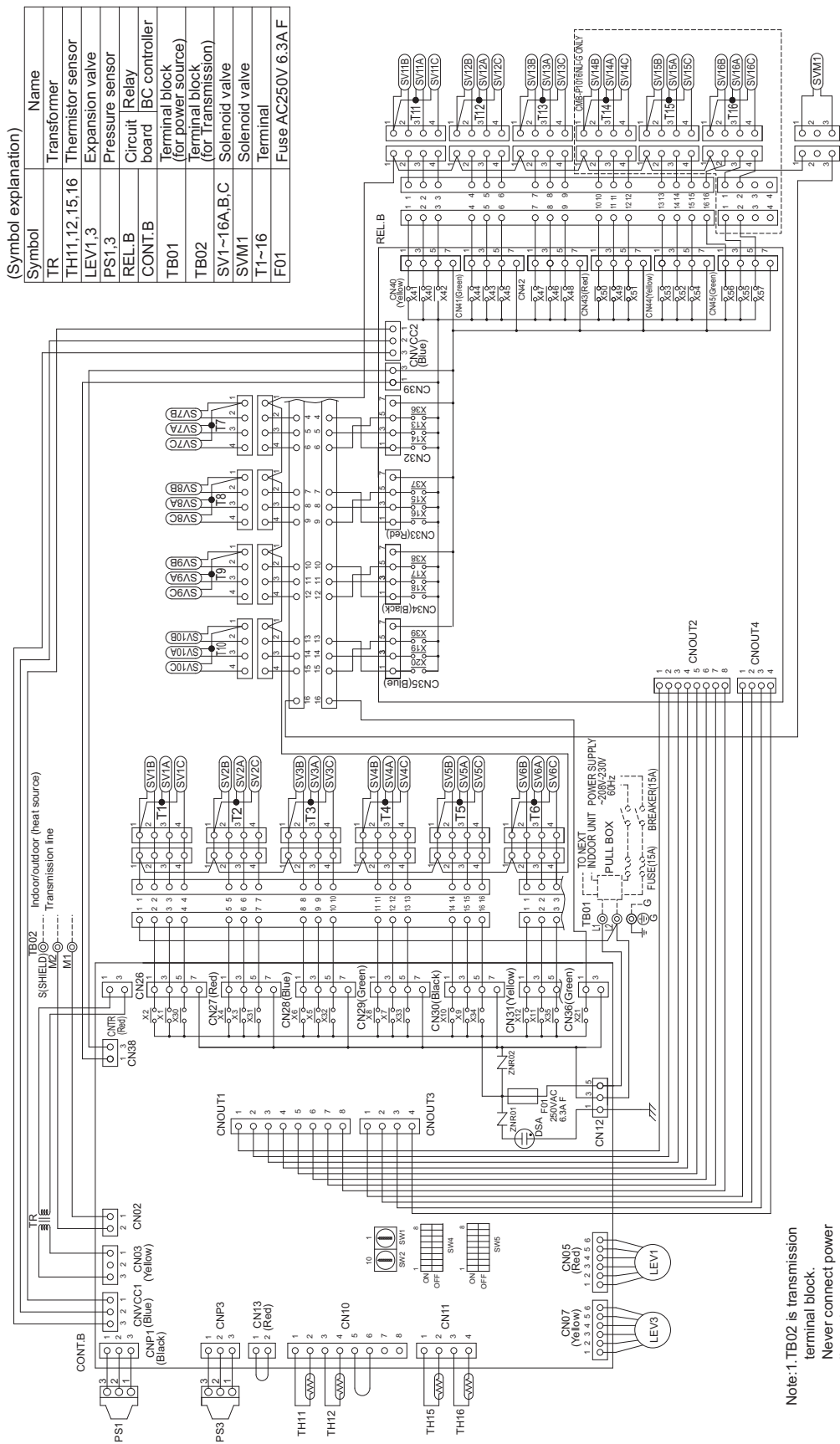
CMB-P108,1010NU-G

Ref. : CMB_NU-G_EWD_USDB_P108-1010



CMB-P1013,1016NU-G

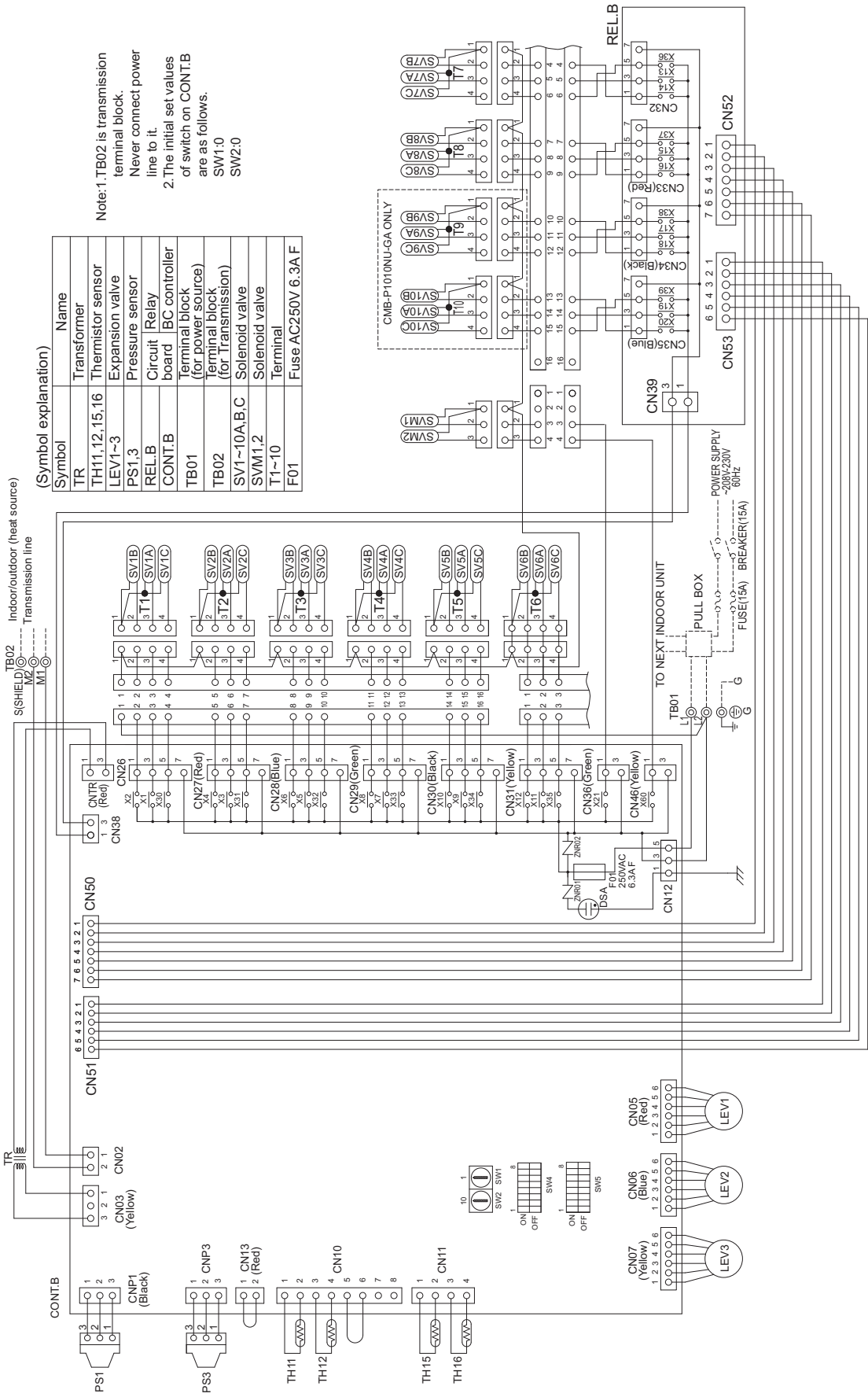
Ref. : CMB_NU-G_EWD_USDB_P1013_1016



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

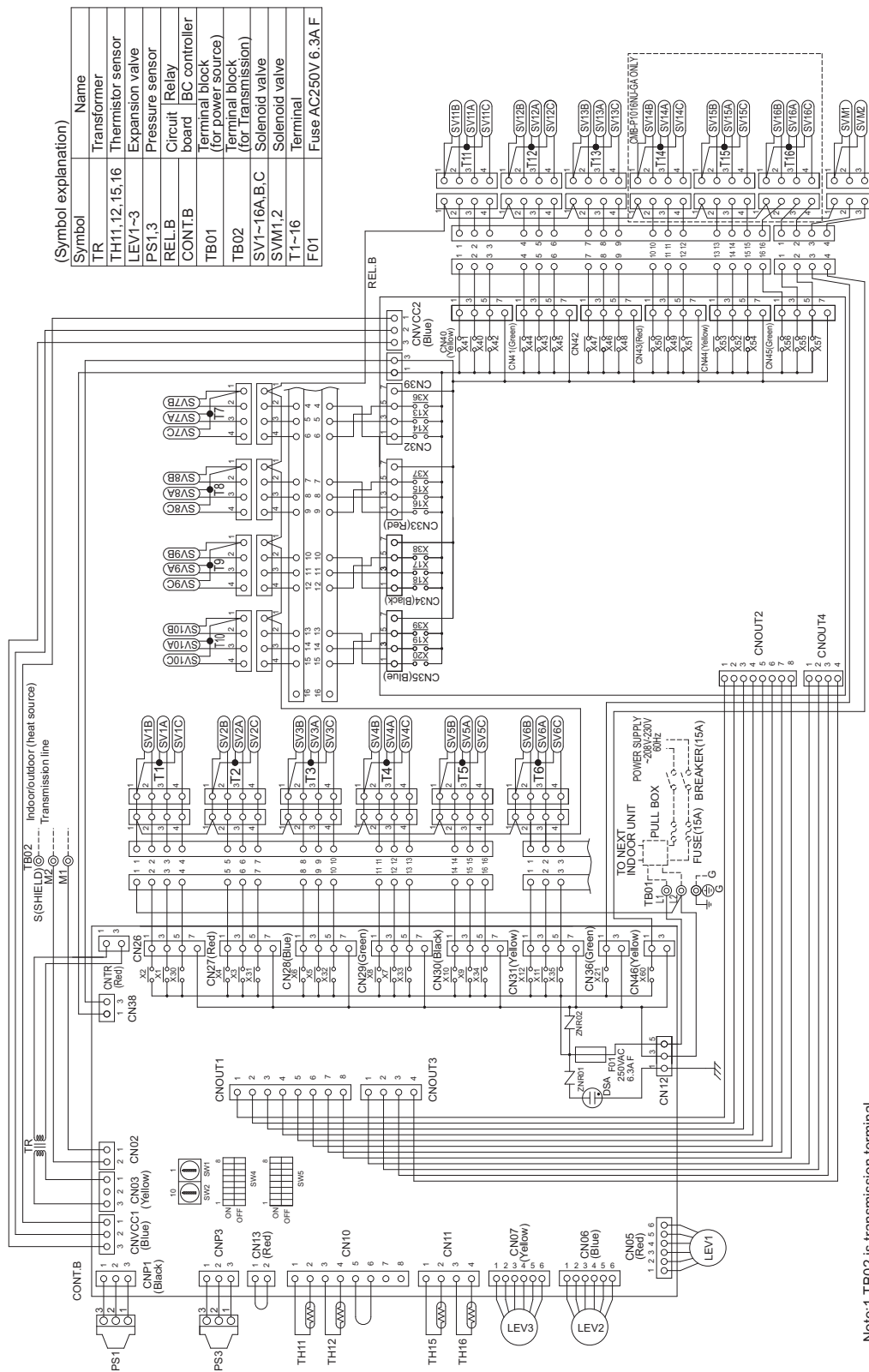
CMB-P108,1010NU-GA

Ref. : CMB_NU-GA_EWD_USDB_P108-1010



CMB-P1013,1016NU-GA

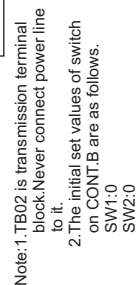
Ref. : CMB_NU-GA_EWD_USDB_P1013-1016



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

DATA U10

BC



3. ELECTRICAL WIRING DIAGRAMS

CMB-P104NU-GB

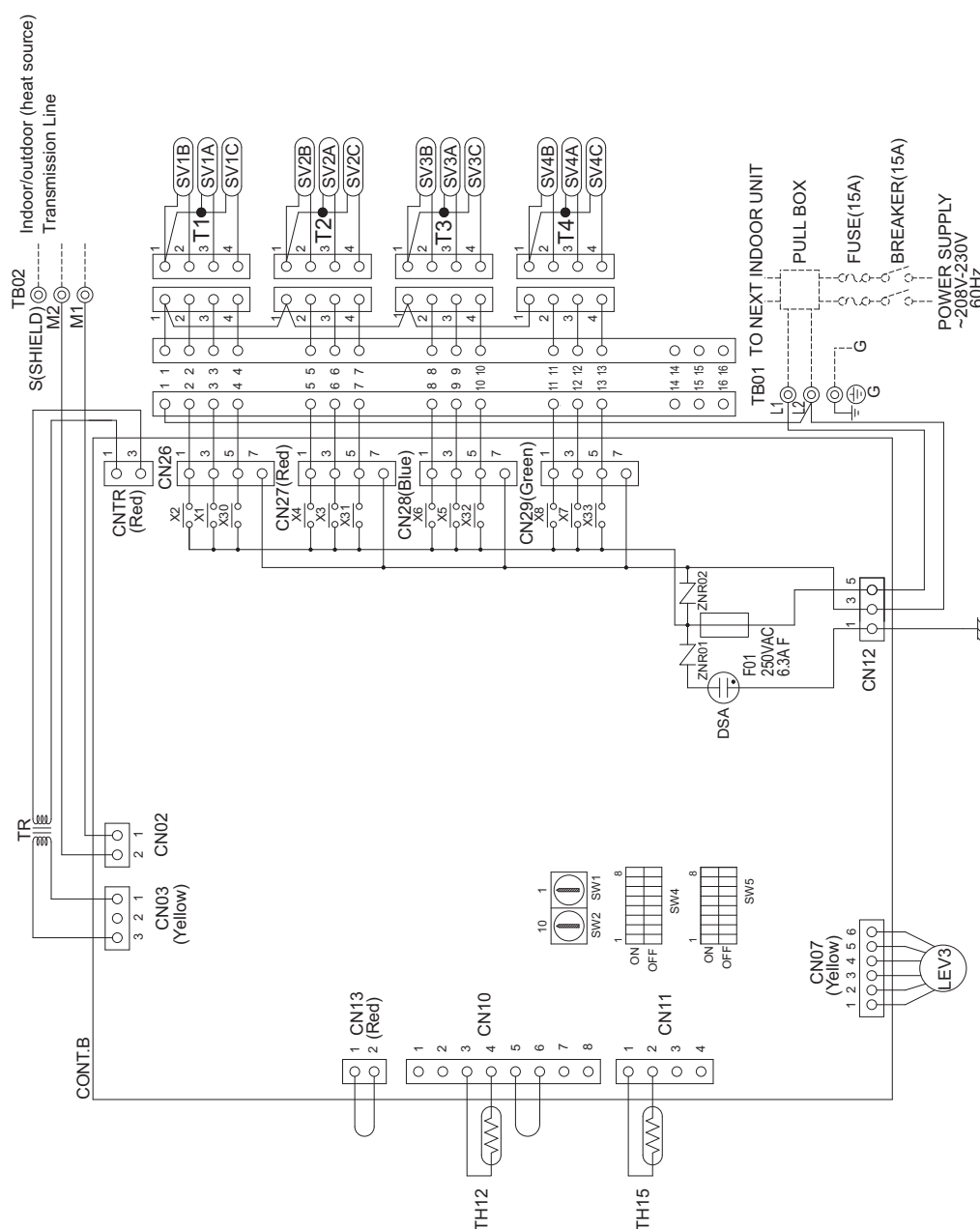
Ref. : CMB_NU-GB_EWD_USDB_P104

(Symbol explanation)	
Symbol	Name
TR	Transformer
TH12,15	Thermistor sensor
LEV3	Expansion valve
CONT:B	Circuit board
TB01	BC controller
	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



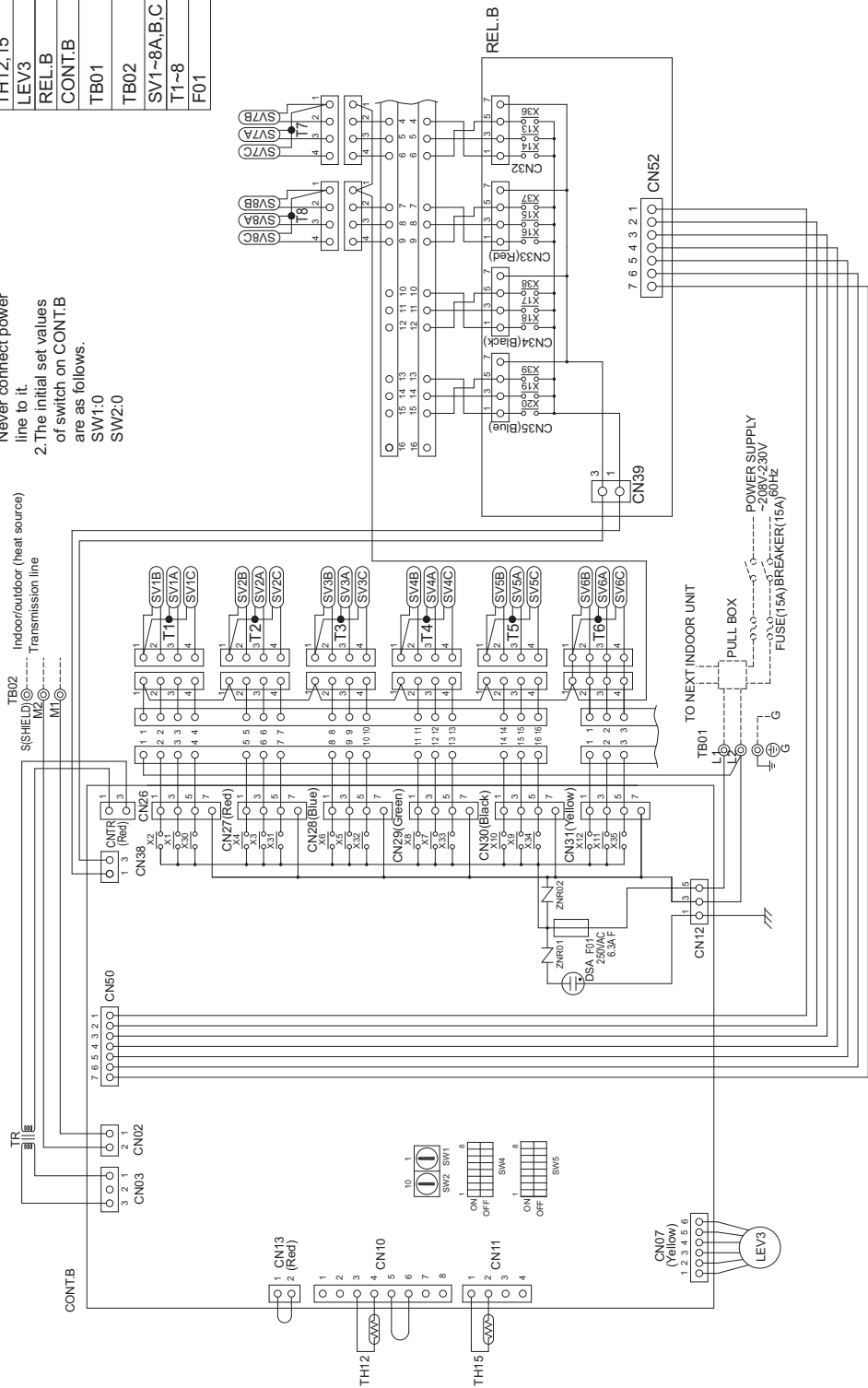
CMB-P108NU-GB

Ref. : CMB_NU-GB_EWD_USDB_P108

(Symbol explanation)

Symbol	Name
TR	Transformer
TH12,15	Thermistor sensor
LEV3	Expansion valve
REL.B	Circuit Relay
CONT.B	BC controller board
TB01	Terminal block (for power source)
TB02	Terminal block (for transmission)
SV1~8A,B,C	Solenoid valve
T1~8	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

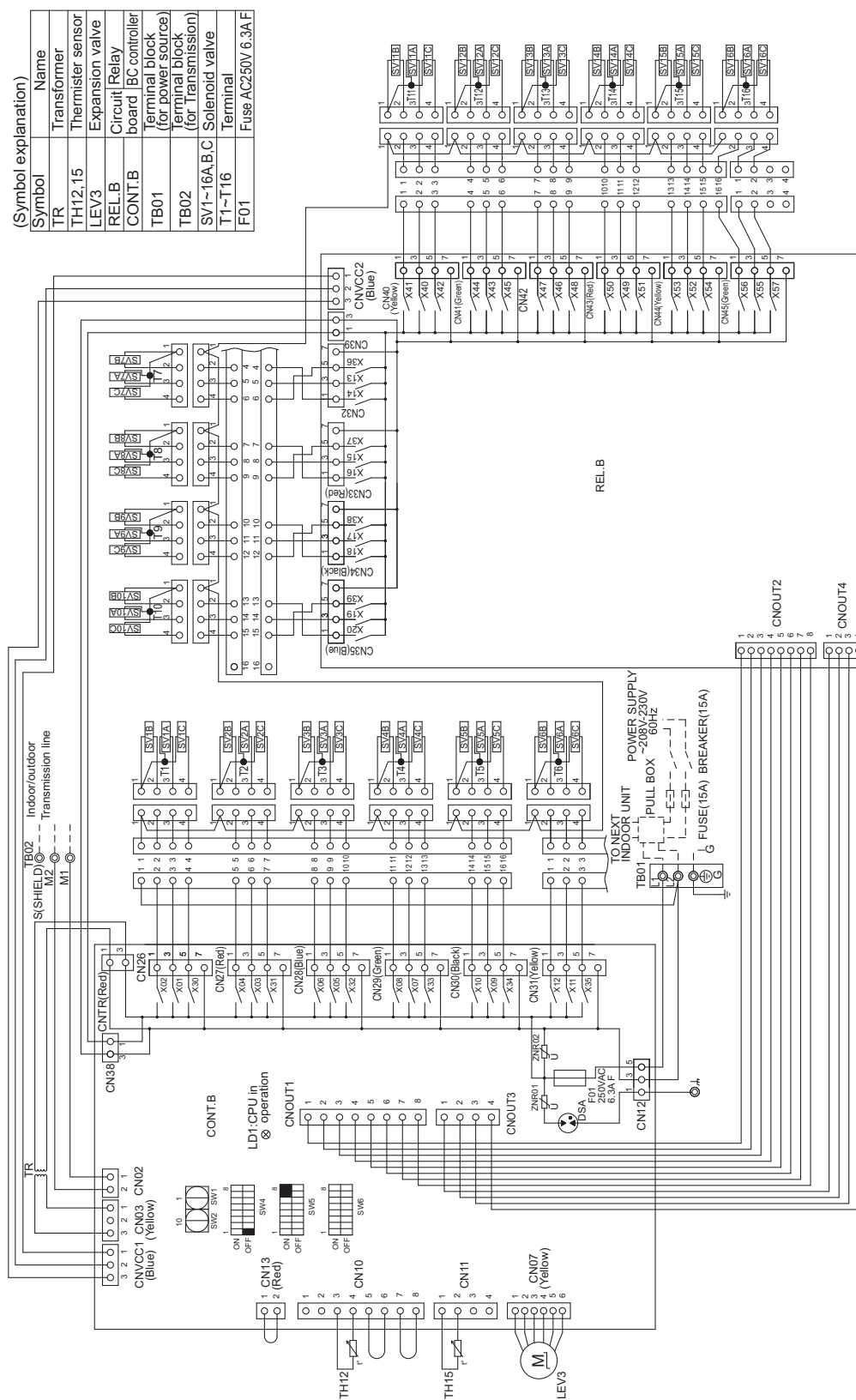


3. ELECTRICAL WIRING DIAGRAMS

DATA U10

CMB-P1016NU-HB

Ref. : CMB NU-HB EWD USDB P1016



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

SW1:0
SW2:0

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

BC