CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates Preliminary error code*

○	-	-	0403 (4300) (4305) (4306)	Serial communication error/Panel communication error ■ Check Control board (CN4A, CN4B) and the Fan board (CN80) ■ Check Control board (CN4) and INV board (CN2)
-	○	-		Serial communication error/Panel communication error ■ Check SW3-3 on the indoor unit circuit board ■ Set SW3-3 to ON only when connecting an auto filter cleaning unit. ■ Check the LED1 (cleaning unit circuit board (microcomputer power)). Lit: Power is supplied properly. Unlit: Check for loose or disconnected power wire between the indoor unit circuit board (CNAC) and the cleaning unit circuit board (CN3A). ■ Check the LED4 (cleaning unit circuit board (communication)). Blinking: Normal communication Unlit: Check for loose or disconnected communication wire between the indoor unit circuit board (CN3G) and the cleaning unit circuit board (CN3G). ■ If the LED blinks at irregular intervals (normally blinks at 0.5-second intervals), electrical interference is suspected. ■ Check the items above, turn the power off, and turn the power back on. If the error persists, replace either the cleaning unit circuit board or the indoor unit circuit board.
○	-	-	1102 (1202)	Discharge temperature fault ■ Check refrgierant charge ■ Check operating conditions and operation status of indoor/outdoor units. ■ Check indoor/ outdoor LEV ■ Confirm that the refrigerant service valve is fully open. ■ Check the fan on outdoor unit ■ Check thermistor TH4
○	-	-	1301	Low pressure fault ■ Check low pressure sensor with gauge pressure

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description
*Fault codes in ( ) indicates Preliminary error code				
○	-	-	1302 (1402)	High pressure fault ■ Check LEV2 ■ Confirm that the refrigerant service valve is fully open. ■ Check the outdoor units for problems and correct them, if any ■ Check the fan on the outdoor unit. ■ Check SV1a ■ Check thermistor TH3, TH7 ■ Check high pressure sensor with gauge pressure ■ Check the input voltage at the power supply terminal block (TB1).
○	-	-	1500 (1600)	Refrigerant overcharge ■ Check refrigerant charge ■ Check LEV1/LEV2 ■ Check indoor LEV ■ Check that the twinning-pipe kit is installed in accordance with the instructions provided in the installation manual.
-	○	-	2502	Drain pump fault ■ Check for proper functioning of the drain pump. ■ Check for proper drainage. ■ Check for proper lead wire installation. ■ Check for clogged filter. ■ Check for normal operation of the float switch (if available). ■ Check the resistance with the float switch turned on and turned off (if available). If the above item checks out OK, replace the indoor unit control board. ■ Check the valves on the indoor unit for leaks.

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates Preliminary error code*

○	-	-	4102 (4152)	Open phase ■ Check the input voltage to the power supply terminal block TB1. ■ Check for coil connections ■ Check for coil burnout ■ Confirm that the voltage at the CN3 connector is 198V or above ■ Confirm that the voltage at the control board connector CNAC is 198 V or above. ■ If the voltage is below 198V, check the wiring connection between the noise filter board CN3, noise filter board CN2 and control board CNAC. ■ Check the wiring connections between INV board SC-L1, SC-L2, SC-L3 and capacitor board CN001. ■ Check the wiring connection between control board CN110 and capacitor board CN002 ■ Check for a blown fuse (F01) on the control board. If a blown fuse is found, check for a short-circuiting or earth fault of the actuator. ■ Replace the capacitor board. ■ Replace the control board if none of the above is causing the problem.
○	-	-	4106	Transmission power supply fault ■ Check the transmission power supply circuit on all outdoor units in a given refrigerant circuit for problems.
-	○	-	4109	Fan operation status detection error ■ The coil or the wiring of the auxiliary relay connected to CN28 is faulty. ■ Check the connector for proper connection. ■ Check the fuse on the control circuit board. ■ Check the unit fan for proper operation in the test run mode. ■ If no problems are found with items 1 through 3 above and the fan does not operate, replace the motor.
-	○	-	4116	RPM error/ Motor error ■ Replace the board ■ Check for the motor and the solenoid switch.

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates Preliminary error code*

○	-	-	4121 (4171)	Function setting error ■ Check the SW6-1 setting on the control board ■ Check that nothing is connected to the connector CNAF on the control board. ■ Replace the control board if no problems are found with the two items above.
-	○	-	4124	Electric system not operate due to damper abnormality ■ Check there is something that interferes the opening or closing movement of the damper. ■ If damper does not open or close, turn OFF the power supply and measure the resistance of the damper lock motors (ML1, ML2) and the damper motor (MV2). (ML1, ML2): BRN-to-other color of lead wire: 235Ω~255Ω (MV2): BRN-to-other color of lead wire: 282Ω~306Ω The resistance value is normal each. →Replace the indoor electronic control P.C. board. The resistance value is not normal each. →Replace the motor that indicates the abnormal value. ■ If damper opens or closes, measure the voltage between CN1X1 (+) and (-) and the voltage between CN1Y1 (+) and (-) during the damper open by pressing VANE CONTROL button. There is not 0V DC between CN1X1 (+) and (-). →Replace the damper limit switch (open) There is not 5V DC between CN1X1 (+) and (-). →Replace the damper limit switch (close) ■ If damper opens or closes and voltages in 3) are normal, measure the voltage between CN1X1 (+) and (-) and the voltage between CN1Y1 (+) and (-) during the damper close by pressing VANE CONTROL button. There is not 5V DC between CN1X1 (+) and (-). →Replace the damper limit switch (open) There is not 0V DC between CN1X1 (+) and (-). →Replace the damper limit switch (close) There is 5V DC between CN1X1 (+) and (-) and 0V DC between CN1X1 (+) and (-). →Replace the indoor electronic control P.C. board.

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description
*Fault codes in ( ) indicates Preliminary error code				
○	-	-	4220 4225 4226 (4320) (4325) (4326)	Backup operation Abnormal bus voltage drop Abnormal bus voltage rise Logic error Control power-supply fault Low bus voltage at startup ▪ Check whether the power voltage (Between L1 and L2, L2 and L3, and L1 and L3) is 342V or less across all phases. ▪ Check inverter board/ noise filter/ fan board/ control board If the problem recurs, replace the INV board or fan board. In the case of 4220: INV board In the case of 4225, 4226: Fan board
○	-	-	4230 (4330)	Heatsink overheat protection ▪ Check fan inverter board ▪ Check outdoor unit fan ▪ Check that the heat sink cooling air passage is not blocked ▪ Check for proper installation of the INV board IGBT.
○	-	-	4240 4245 4246 (4340)	Overload protection ▪ Check that the heat sink cooling air passage is not blocked ▪ Power supply voltage is 342 V or above. ▪ Check inverter/compressor ▪ Check the setting for the model selection switch on the outdoor unit (Dipswitches SW5-3 -SW5-8 on the outdoor unit control board).

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates Preliminary error code*

○	-	-	4250 4255 4256 (4350) (4355) (4356)	Backup operation IPM error Short-circuited IPM/Ground fault Overcurrent error due to short-circuited motor Instantaneous overcurrent (S/W detection) Overcurrent (effective value)(S/W detection) ■ Check inverter/ compressor/ IGBT ■ Check the setting for the model selection switch on the outdoor unit (Dipswitches SW5-3 -SW5-8 on the outdoor unit control board). ■ Check fan inverter board ■ Check outdoor unit fan
-	○	-	5101 (1202) 5102 (1217) 5103 (1205) 5104 (1202)	Temperature sensor fault - Return air temperature (TH21) Temperature sensor fault - Indoor unit pipe temperature (TH22) Temperature sensor fault - Indoor unit gas-side pipe temperature (TH23) Temperature sensor fault - Outside temperature (TH24) ■ Check the thermistor resistor. 0°C [32°F]: 15 kΩ 10°C [50°F]: 9.7 kΩ 20°C [68°F] : 6.4 kΩ 30°C [86°F] : 4.3 kΩ 40°C [104°F] : 3.1 kΩ ■ Check the connector contact. When no fault is found, the indoor board is a failure.

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates Preliminary error code*

○	-	-	5102 (1217) 5103 (1205) 5104 (1202) 5106 (1216) 5107 (1221) 5115 (1204)	Temperature sensor fault - HIC bypass circuit outlet temperature (TH2) Temperature sensor fault - Pipe temperature at heatexchanger outlet (TH3) Temperature sensor fault - Outdoor unit discharge temperature (TH4) Temperature sensor fault- HIC circuit outlet temperature (TH6) Temperature sensor fault- Outside temperature (TH7) Compressor shell bottom temperature sensor fault (TH15) ■ Check thermistor resistance. ■ Check for pinched lead wire. ■ Check for wire coating. ■ Check connector. ■ Check for wire. ■ Check the intake temperature of the sensor with the LED monitor. When the temperature is far different from the actual temperature, replace the control board.

	Short detection	Open detection
TH2	70°C [158°F] and above (0.4 kΩ)	-40°C [-40°F] and below (130 kΩ)
TH3	110°C [230°F] and above (0.4 kΩ)	-40°C [-40°F] and below (130 kΩ)
TH4	240°C [464°F] and above (0.57 kΩ)	0°C [32°F] and below (698 kΩ)
TH6	70°C [158°F] and above (1.14 kΩ)	-40°C [-40°F] and below (130 kΩ)
TH7	110°C [230°F] and above (0.4 kΩ)	-40°C [-40°F] and below (130 kΩ)
TH15	110°C [230°F] and above (0.4 kΩ)	-40°C [-40°F] and below (130 kΩ)

○	-	-	5110 (1214)	Backup operation Temperature sensor fault - Heatsink temperature (THHS) If the problem recurs when the unit is put into operation, replace the INV board.
○	-	-	5201	High-pressure sensor fault (63HS1) ■ Check high pressure sensor with gauge pressure

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates Preliminary error code*

○	-	-	5301 (4300)	Backup operation ACCT sensor fault ACCT sensor circuit fault Open-circuited IPM/Loose ACCT connector Faulty ACCT wiring ■ Check the connector (CNCT2) on the INV board for proper connection. ■ Check the output wire for proper connection. ■ Check inverter/ compressor Replace the INV board if the problem persists after the operation is resumed.
○	-	-	5305 5306 (4305) (4306)	Backup operation Current sensor fault Current sensor circuit fault ■ Check the output wiring from the fan board for proper connection. ■ Check fan inverter board ■ Check outdoor unit fan
○	○	○	6600	Address overlap ■ Check for duplicated addressing ■ When air conditioning units are operating normally despite the address overlap error
○	○	○	6607	No ACK error ■ Check voltage of the transmission line for ~25V Turn off the outdoor/indoor units for 5 or more minutes, and turn them on again. If the error is accidental, it will run normally. If not, check:~ When IC unit address is changed or modified during operation. Faulty or disconnected IC transmission wiring Disconnected IC connector (CN2M) Indoor unit controller failure ME remote controller failure

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description
*Fault codes in ( ) indicates Preliminary error code				
○	○	○	6608	No response error Turn off the outdoor/indoor units for 5 or more minutes, and turn them on again. Check transmission line condition. Farthest: <200m Remote controller wiring: <12m Wire diameter: >1.25mm^2 Noise is the most possible cause of the error "6608".
-	○	○	6831 6832 6833 6834	MA controller signal reception error (No signal reception) MA remote controller signal transmission error (Synchronization error) MA remote controller signal transmission error (Hardware error) MA controller signal reception error (Start bit detection error) ■ Check for disconnected or loose transmission lines for the indoor units or MA remote controllers. ■ Confirm that the power is supplied to the main power source and the remote controller line. ■ Confirm that MA remote controller's capacity limit is not exceeded. ■ Check the sub/main setting of the MA remote controllers.One of them must be set to MAIN. ■ Check the transmission waveform When no fault is found, replace the indoor unit board or the MA remote controller. The following status can be confirmed on LED1 and 2 on the indoor unit board. If LED1 is lit, the main power source of the indoor unit is turned on. If LED2 is lit, the MA remote controller line is being powered.
○	-	-	7100	Total capacity error ■ Check the Qj total (capacity code total) of indoor units connected. ■ Check the Qj setting (capacity code) of the connected indoor unit set by the switch (SW2 on indoor unit board). ■ Check the setting for the model selection switch on the outdoor unit (Dipswitches SW5-3 - SW5-8 on the outdoor unit control board). ■ Confirm that the TB3 on the OC and OS are properly connected.

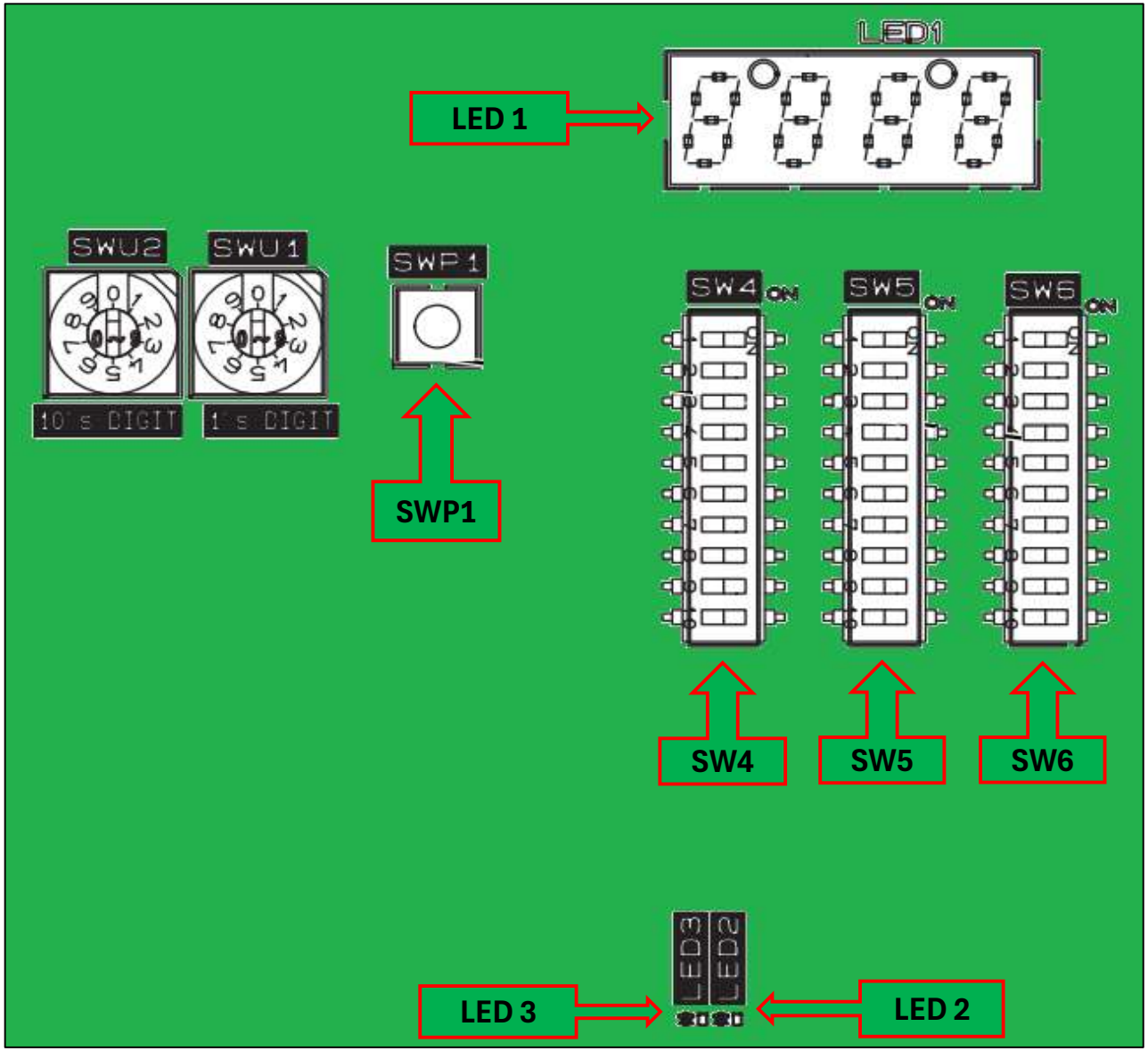
CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description
*Fault codes in ( ) indicates Preliminary error code				
○	○	-	7101	Capacity code setting error ■ Check the model name (capacity code) of the indoor unit which has the error source address set by the switch (SW2 on indoor unit board). When the model name set by the switch is different from that of the unit connected, turn off the power source of the outdoor and the indoor units, and change the setting of the capacity code. ■ Check the setting for the model selection switch on the outdoor unit (Dipswitches SW5-3 - SW5-8 on the outdoor unit control board).
○	-	-	7102	Wrong number of connected units ■ Check whether the number of units connected to the outdoor terminal block (TB3) for indoor/ outdoor transmission lines does not exceed the limitation. ■ Check disconnected transmission line of the outdoor unit ■ Check whether the transmission line for the terminal block for centralized control (TB7) is not connected to the terminal block for the indoor/outdoor transmission line (TB3). ■ Check the setting for the model selection switch on the outdoor unit (Dipswitches SW5-7 on the outdoor unit control board)
○	-	-	7110	Connection information signal transmission/reception error ■ Confirm that the power to the transmission booster is not cut off by the booster being connected to the switch on the indoor unit. (The unit will not function properly unless the transmission booster is turned on.) Reset the power to the outdoor unit. ■ Confirm that the TB3 on the OC and OS are properly connected. ■ Check the setting for the model selection switch on the outdoor unit (Dipswitches SW5-7 on the outdoor unit control board)

CITY MULTI				PUCY- YKA, YKD, YKE
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

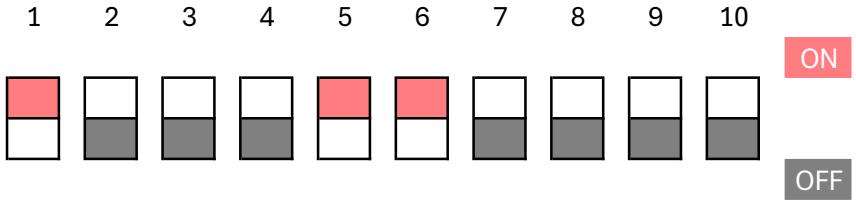
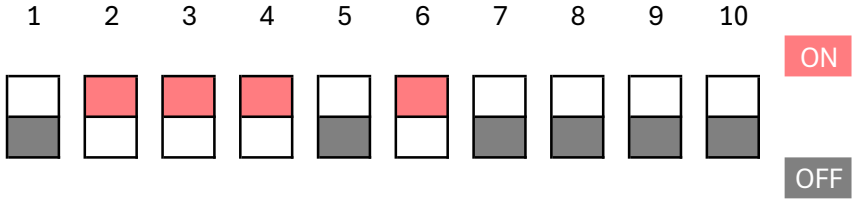
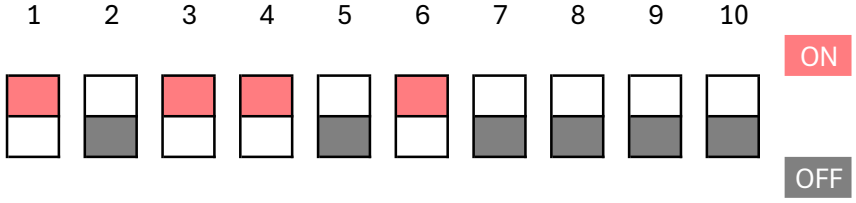
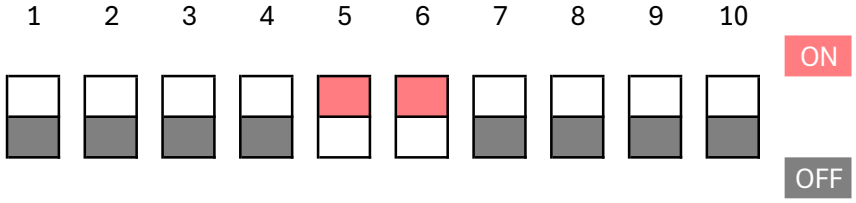
**Fault codes in ( ) indicates Preliminary error code*

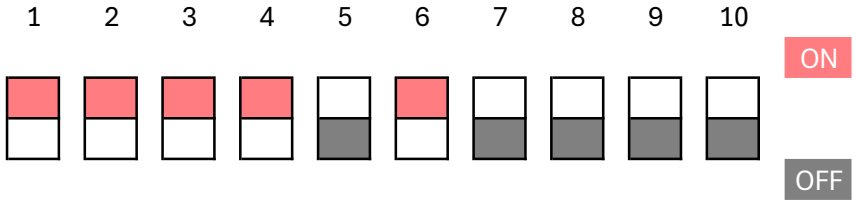
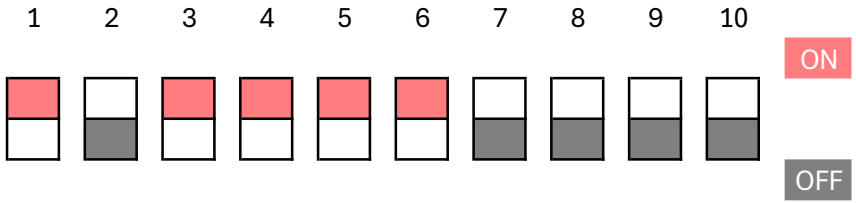
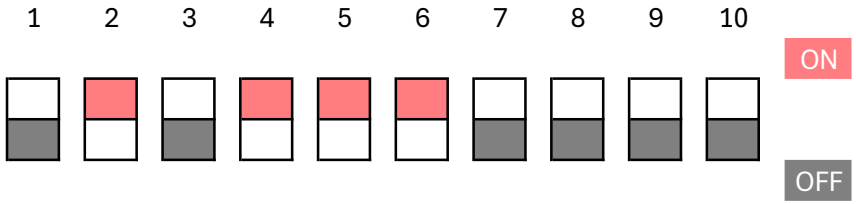
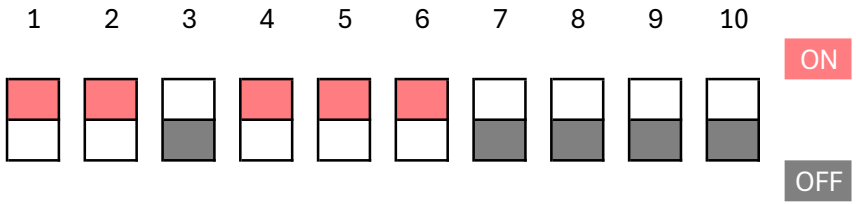
○	-	-	7113 7117	Function setting error (improper connection of CNTYP) Model setting error ■ Check the connector CNTYP5 on the control board for proper connection. ■ Check the connector CNTYP4 on the control board for proper connection. ■ Check the settings of SW5-3 through SW5-6 on the control board. ■ Check the connector CNTYP2 on the control board for proper connection. ■ Check the connector CNTYP on the INV board for proper connection. ■ Check the wiring between the control board and INV board.

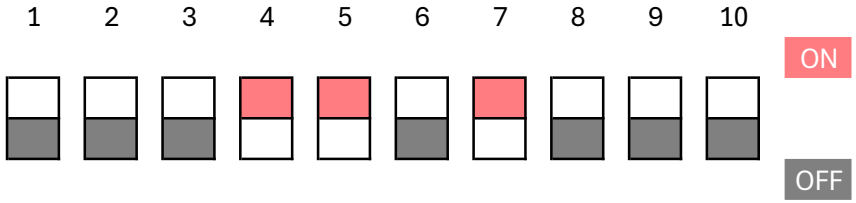
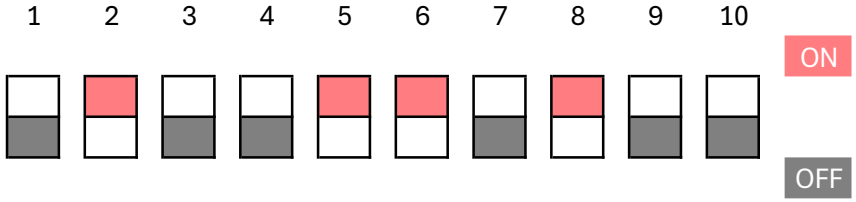
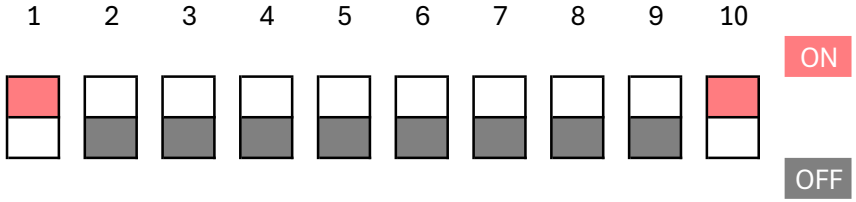
	CITY MULTI	PUCY- YKA, YKD, YKE
ITEM	OUTDOOR DIP SWITCH SETTINGS	Description

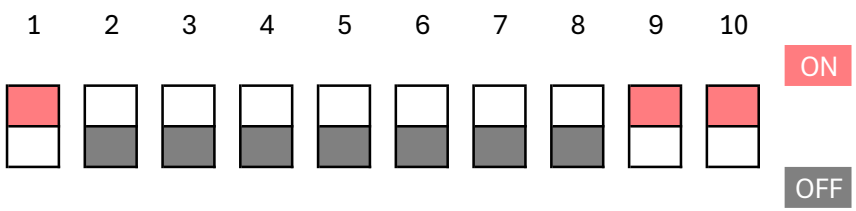
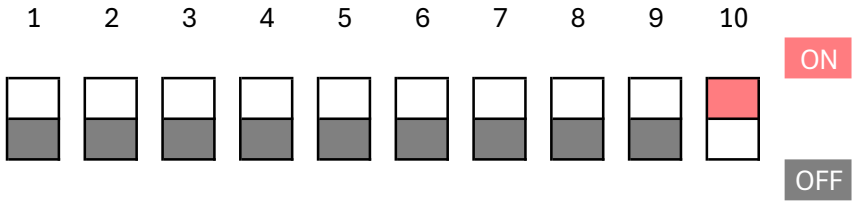
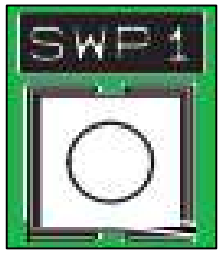


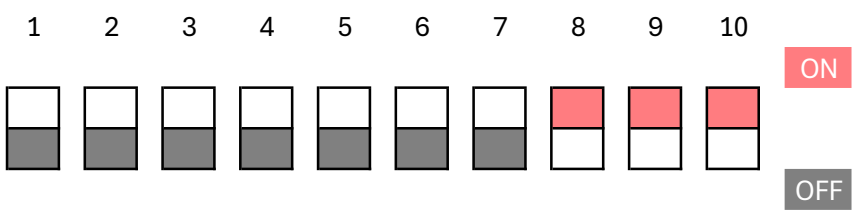
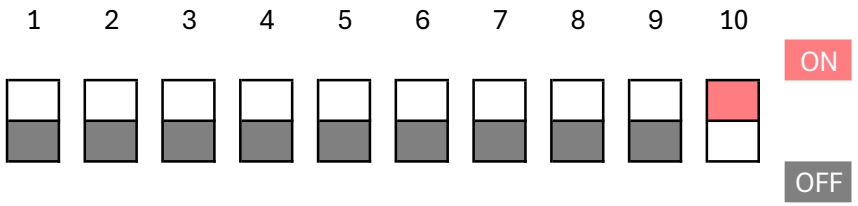
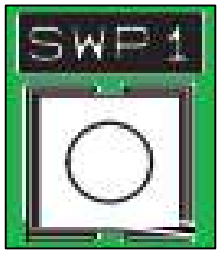
**PUCY-YKE control pcb illustration*

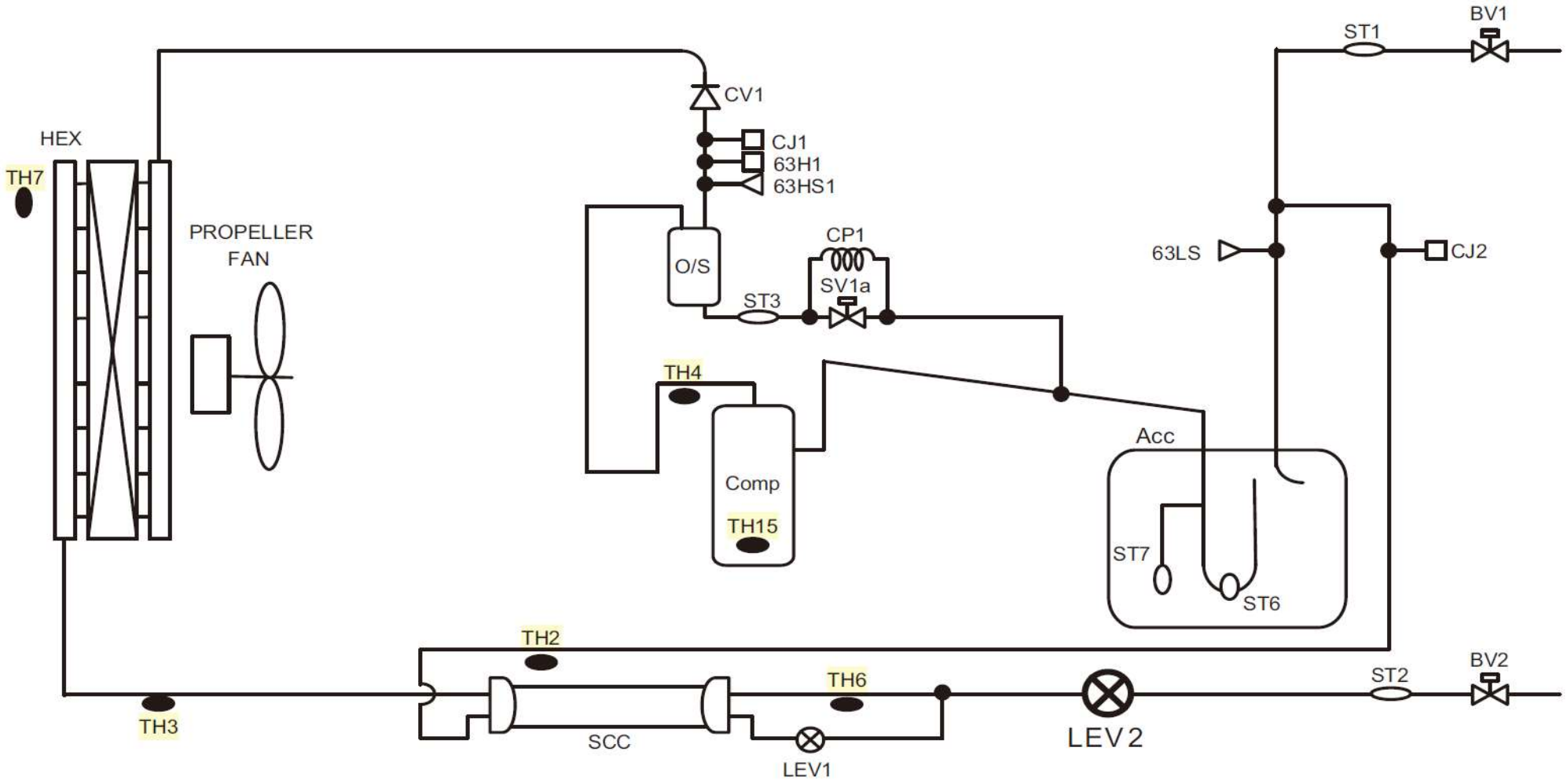
CITY MULTI			PUCY- YKA, YKD, YKE
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
TH2	SW4		Subcool bypass outlet temperature The unit is [°C]
TH3	SW4		Pipe temperature The unit is [°C]
TH4	SW4		Discharge pipe temperature The unit is [°C]
TH6	SW4		Subcooled liquid refrigerant temperature The unit is [°C]

	CITY MULTI	PUCY- YKA, YKD, YKE
ITEM	OUTDOOR DIP SWITCH SETTINGS	Description
TH7	SW4 	Outdoor ambient temperature The unit is [°C]
TH15	SW4 	Compressor shell bottom temperature The unit is [°C]
HPS	SW4 	Discharge pressure The unit is [kgf/cm2] <multiply by 14.2 for PSI>
LPS	SW4 	Low pressure The unit is [kgf/cm2] <multiply by 14.2 for PSI>

	CITY MULTI		PUCY- YKA, YKD, YKE
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
Comp Frequency Hz	SW4		Control data [Hz]
Latest error info	SW4		Address and error codes highlighted If no errors are detected, "---- " appears on the display. Preliminary error information of the OS does not appear on the OC. Neither preliminary error information of the OC nor error information of the IC appears on the OS.
Indoor connection info	SW4		IC/FU address

	CITY MULTI		PUCY- YKA, YKD, YKE
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
Test run	SW4		ON (LED3 Lit) Sends a test-run signal to all IC OFF (LED 3 Unlit) Stops all Ics Anytime after power on Only the switch on OC needs to be set for the setting to be effective.
	SW6		
	SWP1	 After the above setting should observe '769' on LED display. To proceed press & hold SWP1 for 2 secs	

	CITY MULTI	PUCY- YKA, YKD, YKE
ITEM	OUTDOOR DIP SWITCH SETTINGS	Description
Clear error	SW4  SW6  SWP1  After the above setting should observe '896' on LED display. To proceed press & hold SWP1 for 2 secs	ON (LED3 Lit) Deleted (IC/OC) OFF (LED 3 Unlit) Retained (IC/OC) Anytime after power on The switches on both the OC and OS need to be set.



**PUCY-YKE refrigerant circuit illustration*

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

○	-	-	0403 (Ed)	Serial communication error 1. Wire breakage or contact failure of connector CN2 or CN4 2. Malfunction of power board communication circuit on outdoor controller board 3. Malfunction of communication circuit on outdoor power board
○	-	-	1102 <1202> (U2)	Compressor temperature trouble 1. Malfunction of stop valve 2. Over-heated compressor operation caused by shortage of refrigerant 3. Defective thermistor 4. Defective outdoor controller board 5. LEV performance failure 6. Defective indoor controller board 7. Clogged refrigerant system caused by foreign object 8. Refrigerant shortage while in heating operation (Refrigerant liquid accumulation in compressor while indoor unit is OFF/thermo-OFF.)

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

○	-	-	1302 <1402> (UE)	High pressure trouble 1. Defective operation of stop valve (not fully open) 2. Clogged or broken pipe 3. Malfunction or locked outdoor fan motor 4. Short-cycle of outdoor unit 5. Dirt of outdoor heat exchanger 6. Remote controller transmitting error caused by noise interference 7. Contact failure of the outdoor controller board connector 8. Defective outdoor controller board 9. Short-cycle of indoor unit 10. Decreased airflow, clogged filter, or dirt on indoor unit. 11. Malfunction or locked indoor fan motor 12. Decreased airflow caused by defective inspection of outdoor temperature thermistor (It detects lower temperature than actual temperature.) 13. Indoor LEV performance failure 14. Malfunction of fan driving circuit 15. SV1 performance failure 16. Defective high pressure sensor 17. Defective high pressure sensor input circuit on outdoor controller board
○	-	-	1500 <1600> (U7)	Superheat due to low discharge temperature trouble 1. Disconnection or loose connection of TH4 2. Defective holder of TH4 3. Disconnection of LEV coil 4. Disconnection of LEV connector 5. LEV performance failure

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

○	-	-	1501 <1601> (U2)	Refrigerant shortage trouble 1. Defective operation of stop valve (not fully open) 2. Defective thermistor 3. Defective outdoor controller board 4. Indoor LEV performance failure 5. Gas leakage or shortage 6. Defective 63HS
○	-	-	1501 <1501> (U2)	Closed valve in cooling mode 1. Outdoor liquid/gas valve is closed. 2. Malfunction of outdoor LEV (LEV-A) (blockage)
○	-	-	1503 (P6)	Freeze protection of Branch box or Indoor unit 1. Wrong piping connection between indoor unit and branch box 2. Miswiring between indoor unit and branch box 3. Miswiring of LEV in branch box or indoor unit 4. Malfunction of LEV in branch box or indoor unit
○	-	-	1508 <1608> (EF)	4-way valve trouble in heating mode 1. 4-way valve failure 2. Disconnection or failure of 4-way valve coil 3. Clogged drain pipe 4. Disconnection or loose connection of connectors 5. Malfunction of input circuit on outdoor multi controller circuit board 6. Defective outdoor power circuit board
-	○	-	2500 (PA)	Water leakage
-	○	-	2502 (P5)	Drain overflow protection
-	○	-	2503 (P4)	Drain sensor trouble

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description
*Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code				
○	-	-	4100 <4350> (UF)	Compressor current interruption (locked compressor) 1. Closed stop valve 2. Decrease of power supply voltage 3. Looseness, disconnection or converse of compressor wiring connection 4. Incorrect DIP-SW setting of model selection on the outdoor controller board 5. Defective compressor 6. Defective outdoor power circuit board
-	○	-	4114 (Pb)	Fan trouble (indoor)
○	-	-	4210 (UP)	Compressor overcurrent interruption/failure in 12 VDC power supply circuit on power circuit board 1. Closed outdoor stop valve 2. Decrease of power supply voltage 3. Looseness, disconnection or reverse phase of compressor wiring connection 4. Malfunction of indoor/outdoor fan 5. Short-cycle of indoor/outdoor unit 6. Model selection error upon replacement of outdoor multi controller circuit board 7. Malfunction of input circuit on outdoor multi controller circuit board 8. Defective compressor 9. Defective outdoor power circuit board

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

○	-	-	4220 <4320> (U9)	Undervoltage/overvoltage/PAM error/L1 open phase/power synchronization signal error 1. Decrease/increase of power supply voltage 2. L1 open-phase (Y model only) 3. Primary current sensor failure 4. Disconnection of compressor wiring 5. Malfunction of 52C relay 6. Defective outdoor power circuit board 7. Malfunction of 52C relay driving circuit on outdoor multi controller circuit board 8. Disconnection of CN5 (Y model only) 9. Disconnection of CN2 10. Malfunction of primary current detecting circuit on outdoor power circuit board 11. Malfunction of resistor connected to 52C relay on outdoor power circuit board (Y model only)
○	-	-	4230 <4330> (U5)	Heat sink temperature trouble 1. Blocked outdoor fan 2. Malfunction of outdoor fan motor 3. Blocked airflow path 4. Rise of ambient temperature 5. Characteristic defect of thermistor 6. Malfunction of input circuit on outdoor power board 7. Malfunction of outdoor fan driving circuit
○	-	-	4250 <4350> (U6)	Power module trouble or overcurrent trouble 1. Short-circuit caused by looseness or disconnection of compressor wiring 2. Defective compressor 3. Defective outdoor power circuit boar
○	-	-	4400 <4500> (U8)	Fan trouble (outdoor) 1. Malfunction of fan motor 2. Disconnection of CNF connector 3. Defective outdoor multi controller circuit board

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description
*Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code				
-	○	-	5101 (U3)	Air inlet thermistor (TH21) open/short or
○	-	-	5101 <1202> (U3)	Compressor temperature thermistor (TH4) open/short 1. Disconnection or contact failure of connectors 2. Characteristic defect of thermistor 3. Defective outdoor multi controller circuit board
-	○	-	5102 (U4)	Liquid pipe temperature thermistor (TH22) open/short or
○	-	-	5102 <1211> (U4)	Suction pipe temperature thermistor (TH6) open/short 1. Disconnection or contact failure of connectors 2. Characteristic defect of thermistor 3. Defective outdoor multi controller circuit board
-	○	-	5103 (U4)	Gas pipe temperature thermistor (TH23) open/short
○	-	-	5105 <1205> (U4)	Outdoor liquid pipe temperature thermistor (TH3) open/short 1. Disconnection or contact failure of connectors 2. Characteristic defect of thermistor 3. Defective outdoor multi controller circuit board
○	-	-	5106 <1221> (U4)	Ambient thermistor (TH7) open/short 1. Disconnection or contact failure of connectors 2. Characteristic defect of thermistor 3. Defective outdoor multi controller circuit board
○	-	-	5109 <1222> (U4)	HIC pipe temperature thermistor (TH2) open/short 1. Disconnection or contact failure of connectors 2. Characteristic defect of thermistor 3. Defective outdoor multi controller circuit board

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

○	-	-	5110 <1214> (U4)	Heat sink temperature thermistor (TH8) open/short 1. Disconnection or contact failure of connectors 2. Characteristic defect of thermistor 3. Defective outdoor multi controller circuit board
○	-	-	5201 <1402> (F5)	High pressure sensor (63HS) trouble 1. Defective high pressure sensor 2. Decrease of internal pressure caused by gas leakage 3. Disconnection or contact failure of connector 4. Malfunction of input circuit on outdoor multi controller circuit board
○	-	-	5202 <1400> (F3)	Low pressure sensor (63LS) trouble 1. Defective low pressure sensor 2. Decrease of internal pressure caused by gas leakage 3. Disconnection or contact failure of connector 4. Malfunction of input circuit on outdoor multi controller circuit board
○	-	-	5300 <4310> (UH)	Current sensor trouble 1. Decrease/trouble of power supply voltage 2. Disconnection of compressor wiring 3. Input sensor trouble on outdoor power circuit board
-	○	-	5701 (P4)	Contact failure of drain float switch
○	○	○	6600 (A0)	Duplex address error 1. There are 2 units or more with the same address in their controller among outdoor unit, indoor unit, Fresh Master, Lossnay or remote controller 2. Noise interference on indoor/outdoor connectors
○	○	○	6602 (A2)	Transmission processor hardware error 1. A transmitting data collision occurred because of a wiring work or polarity change has performed while the power is ON on either of the indoor/outdoor unit, Fresh Master or Lossnay 2. Malfunction of transmitting circuit on transmission processor 3. Noise interference on indoor/outdoor connectors

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

○	○	○	6603 (A3)	Transmission bus BUSY error 1. The transmission processor is unable to transmit due to a short-cycle voltage such as noise is mixed on the transmission line. 2. The transmission processor is unable to transmit due to an increase of transmission data amount caused by a miswiring of the terminal block (transmission line) (TB3) and the terminal block (centralized control line) (TB7) on the outdoor unit. 3. The share on transmission line becomes high due to a mixed transmission caused by a malfunction of repeater on the outdoor unit, which is a function to connect/disconnect transmission from/to control system and centralized control system.
○	○	○	6606 (A6)	Signal communication error with transmission processor 1. Accidental disturbance such as noise or lightning surge 2. Hardware malfunction of transmission processor
-	○	○	6607 (A7)	No ACK error - Represents a common error detection 1. The previous address unit does not exist since the address switch was changed while in electric continuity status. 2. Decline of transmission voltage/signal caused by tolerance over on transmission line ·At the furthest end: 200 m [656 ft] ·On remote controller line: 12 m [39 ft] 3. Decline of transmission voltage/ signal due to unmatched transmission line types ·Types for shield line: CVVS, CPEVS, or MVVS ·Line diameter: 1.25 E [AWG16] or more 4. Decline of transmission voltage/ signal due to excessive number of connected units 5. Malfunction due to accidental disturbance such as noise or lightning surge 6. Defect of error source controller
				No ACK error - The cause of displayed address and attribute is on the outdoor unit side 1. Contact failure of indoor/outdoor unit transmission line 2. Disconnection of transmission connector (CN2M) on indoor unit 3. Malfunction of sending/receiving circuit on indoor/ outdoor unit 4. Disconnection of the connectors on the circuit board

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

-	○	○	6607 (A7)	No ACK error - The cause of displayed address and attribute is on the indoor unit side 1. While operating with multi refrigerant system indoor units, an abnormality is detected when the indoor unit transmit signal to the remote controller during the other refrigerant-system outdoor unit is turned OFF, or within 2 minutes after it turned back ON. 2. Contact failure of indoor unit or remote controller transmission line 3. Disconnection of transmission connector (CN2M) on indoor unit 4. Malfunction of sending/receiving circuit on indoor unit or remote controller
				No ACK error - The cause of the displayed address and attribute is on the remote controller side 1. While operating with multi refrigerant system indoor units, an abnormality is detected when the indoor unit transmit signal to the remote controller during the other refrigerant-system outdoor unit is turned OFF, or within 2 minutes after it turned back ON. 2. Contact failure of indoor unit or remote controller transmission line 3. Disconnection of transmission connector (CN2M) on indoor unit 4. Malfunction of sending/receiving circuit on indoor unit or remote controller
				No ACK error - The cause of displayed address and attribute is on the Fresh Master side 1. While the indoor unit is operating with multi refrigerant system Fresh Master, an abnormality is detected when the indoor unit transmits signal to the remote controller while the outdoor unit with the same refrigerant system as the Fresh Master is turned OFF, or within 2 minutes after it turned back ON. 2. Contact failure of indoor unit or Fresh Master transmission line 3. Disconnection of transmission connector (CN2M) on indoor unit or Fresh Master 4. Malfunction of sending/receiving circuit on indoor unit or Fresh Master

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

-	○	○	6607 (A7)	No ACK error - The cause of displayed address and attribute is on Lossnay side 1. An abnormality is detected when the indoor unit transmits signal to Lossnay while the Lossnay is turned OFF. 2. While the indoor unit is operating with the other refrigerant Lossnay, an abnormality is detected when the indoor unit transmits signal to the Lossnay while the outdoor unit with the same refrigerant system as the Lossnay is turned OFF, or within 2 minutes after it turned back ON. 3. Contact failure of indoor unit or Lossnay transmission line 4. Disconnection of transmission connector (CN2M) on indoor unit 5. Malfunction of sending/receiving circuit on indoor unit or Lossnay
				No ACK error -The controller of displayed address and attribute is not recognized. 1. The previous address unit does not exist since the address switch was changed while in electric continuity status. 2. An abnormality detected at transmitting from the indoor unit since the Fresh Master/Lossnay address are changed after synchronized setting of Fresh Master/Lossnay by the remote controller.
-	○	○	6608 (A8)	No response frame error 1. Continuous failure of transmission due to noise etc 2. Decline of transmission voltage/signal caused by tolerance over on transmission line ·At the furthest end: 200 m [656 ft] ·On remote controller line: 12 m [39 ft] 3. Decline of transmission voltage/ signal due to unmatched transmission line types ·Types for shield line: CVVS, CPEVS, or MVVS ·Line diameter: 1.25 E [AWG16] or more 4. Accidental malfunction of error source controller

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

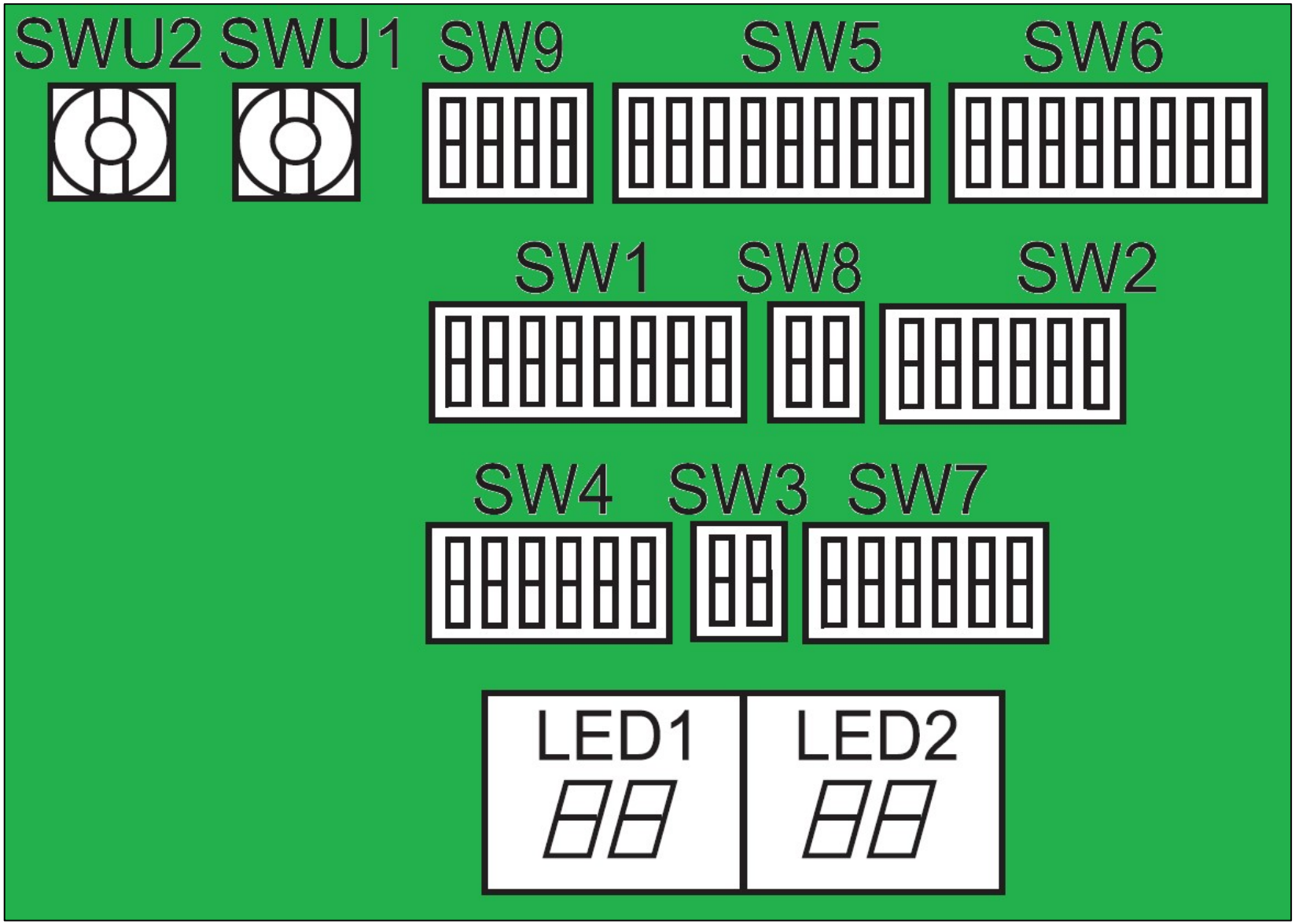
-	○	○	6831 (E0/E4)	MA communication receive error (no receive signal) 1. Contact failure of remote controller wirings 2. Irregular Wiring (A wiring length, number of connecting remote controllers or indoor units, or a wiring thickness does not meet the conditions specified in the chapter "Electrical Work" in the indoor unit Installation Manual.) 3. Malfunction of the remote controller sending/ receiving circuit on indoor unit with the LED2 is blinking. 4. Malfunction of the remote controller sending/ receiving circuit 5. Remote controller transmitting error caused by noise interference
-	○	○	6832 (E3/E5)	MA communication send error 1. There are 2 remote controllers set as main. 2. Malfunction of remote controller sending/receiving circuit 3. Malfunction of sending/receiving circuit on indoor controller board 4. Remote controller transmitting error caused by noise interference
-	○	○	6833 (E3/E5)	
-	○	○	6834 (E0/E4)	MA communication receive error
○	-	-	7100 (EF)	Total capacity error 1. The total of number on connected indoor unit model names exceeds the specified capacity level. 2. The model name code of the outdoor unit is registered wrongly.
○	○	-	7101 (EF)	Capacity code error The model name of connected indoor unit (model code) is read as incompatible. The connectable indoor units are: ·P15 to P250 model (code 3 to 50) ·When connecting via branch box: P22 to P100 model (code 4 to 20)

CITY MULTI				PUMY- CP YKM, YBM
Outdoor unit	Indoor unit	Remote controller	FAULT CODE	Description

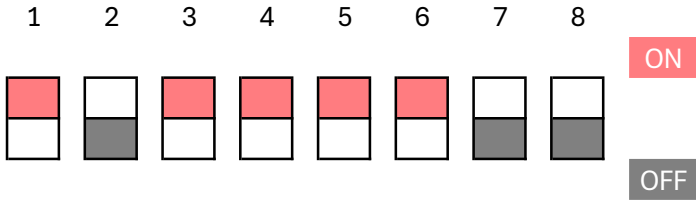
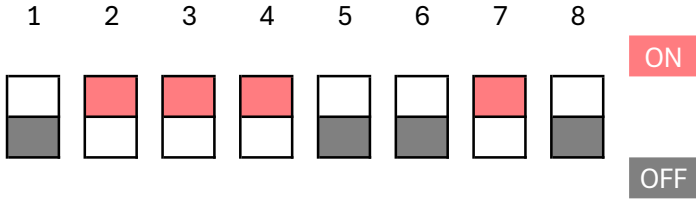
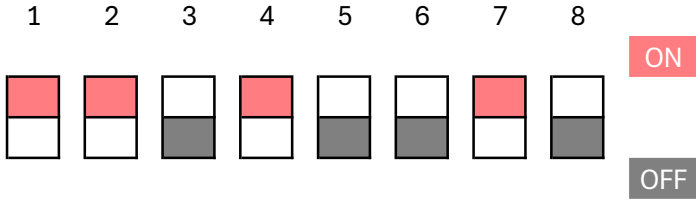
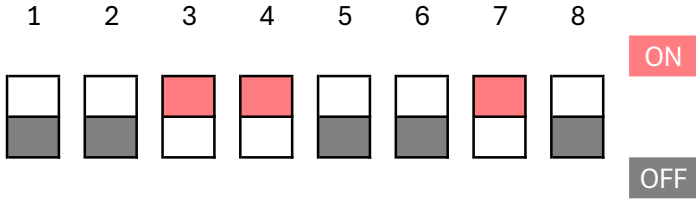
**Fault codes in ( ) indicates 2 digits check code, fault codes in < > indicates check delay code*

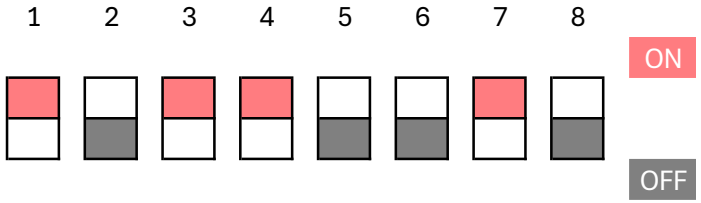
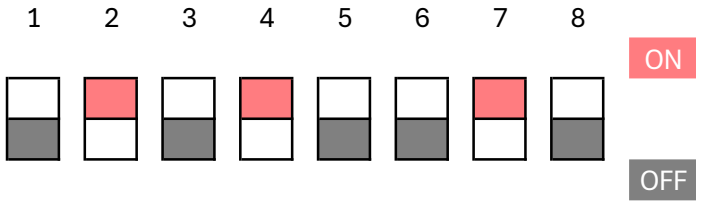
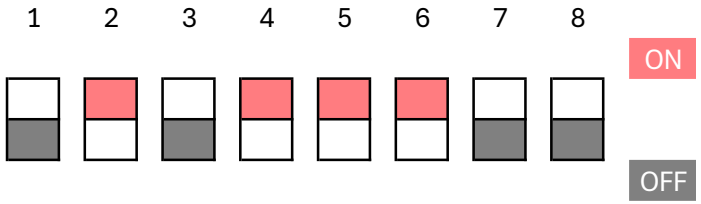
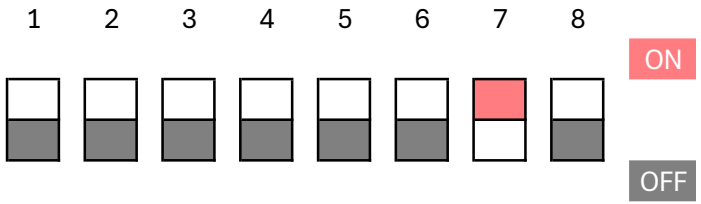
○	-	-	7102 (EF)	Connecting unit number error Connecting more indoor units and branch boxes than the limit. If connecting status does not comply with the following limit; 1. Connectable up to 12 indoor units 2. Connect at least 1 indoor unit (Abnormal if connected none) 3. Connectable up to 2 branch boxes
○	-	-	7105 (EF)	Address setting error There is a unit without correct address setting in the range
○	-	-	7130 (EF)	Incompatible unit combination Connecting indoor unit(s) which is not authorized to connect to the outdoor unit.

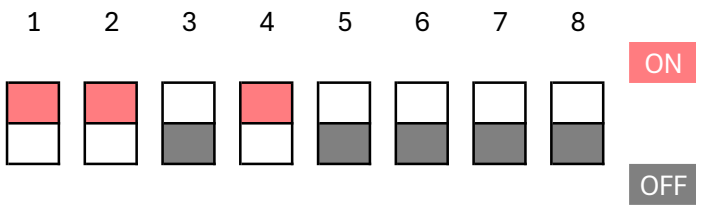
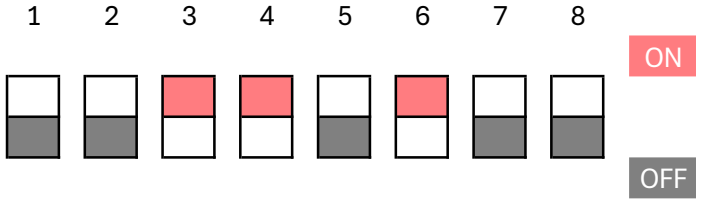
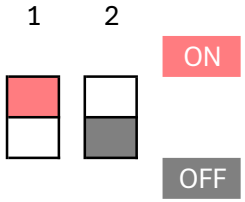
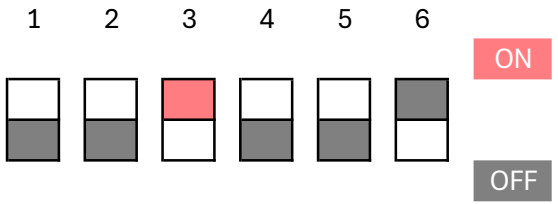
	CITY MULTI	PUMY- CP YKM
ITEM	OUTDOOR DIP SWITCH SETTINGS	Description



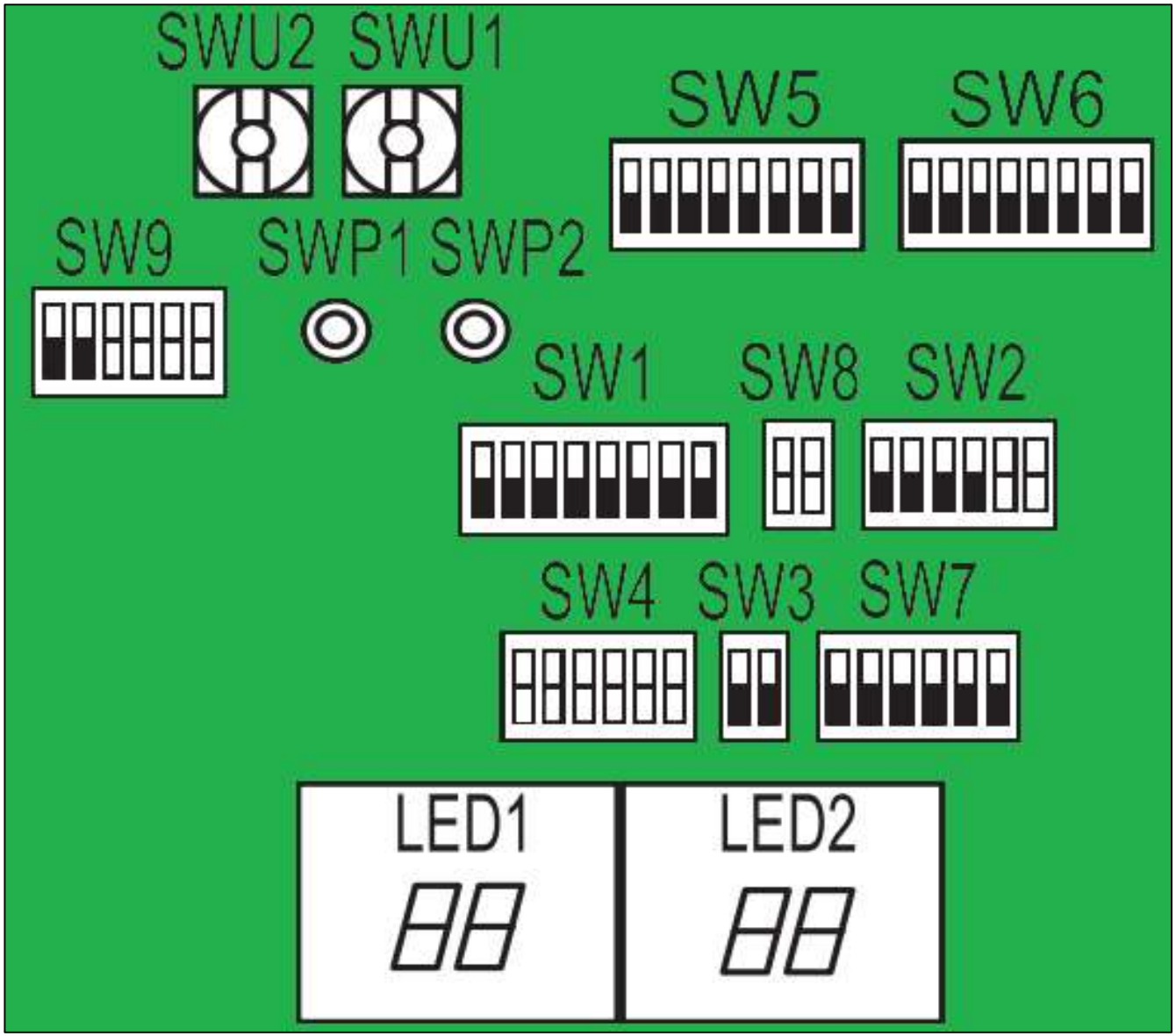
**PUMY-CP YKM control pcb illustration*

	CITY MULTI		PUMY- CP YKM
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
TH2	SW1		Themistor <HIC pipe> The unit is [°C]
TH3	SW1		Themistor <Outdoor Liquid pipe> The unit is [°C]
TH4	SW1		Themistor <Compressor> The unit is [°C]
TH6	SW1		Themistor <Suction pipe> The unit is [°C]

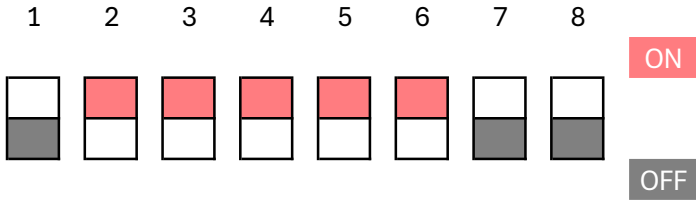
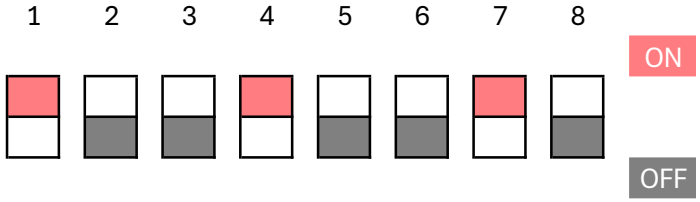
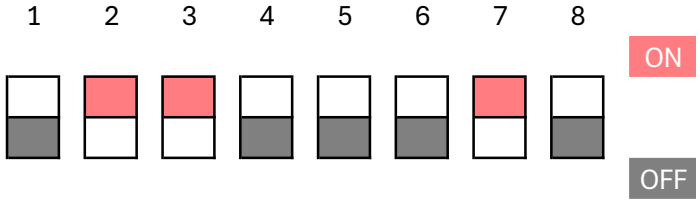
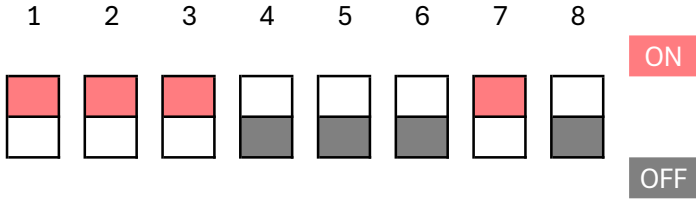
	CITY MULTI		PUMY- CP YKM
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
TH7	SW1		Themistor <Ambient> The unit is [°C]
HPS	SW1		High Pressure The unit is [kgf/cm2] <multiply by 14.2 for PSI>
LPS	SW1		Low Pressure The unit is [kgf/cm2] <multiply by 14.2 for PSI>
Comp Frequency Hz	SW1		Operational frequency [Hz]

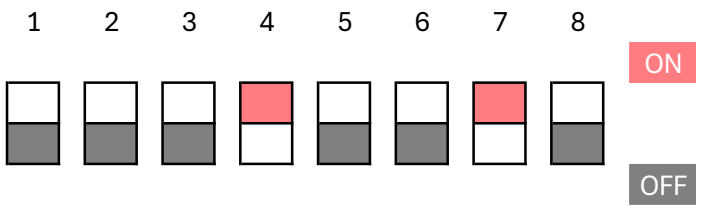
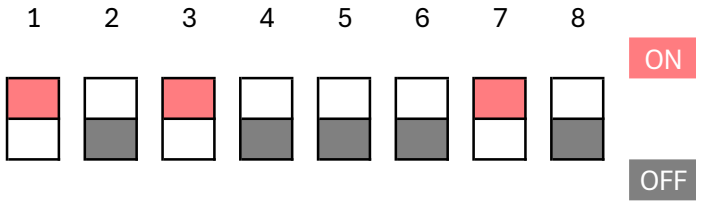
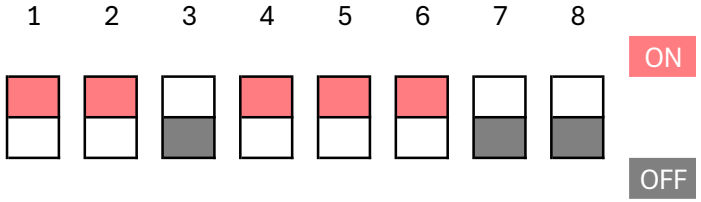
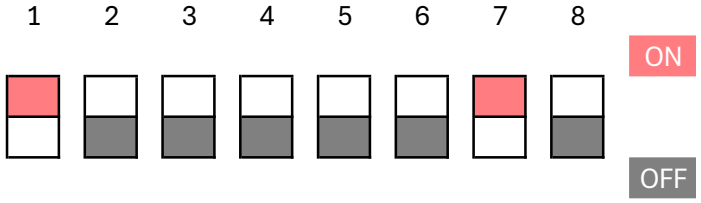
	CITY MULTI		PUMY- CP YKM
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
Latest error info	SW1		Latest abnormality code history
Indoor connection info	SW1		Number of connected indoor units
Test run	SW3		ON - On from Outdoor Any time after the power is turned ON.
Clear error	SW2		Any time after the power is turned ON.

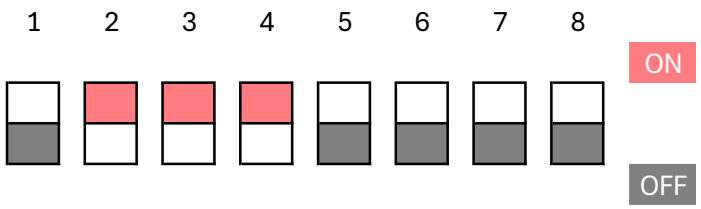
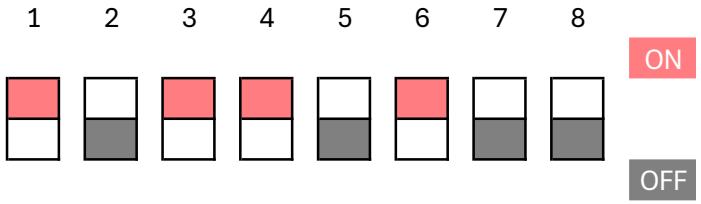
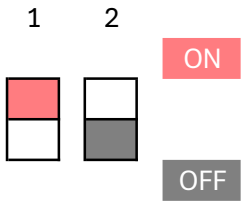
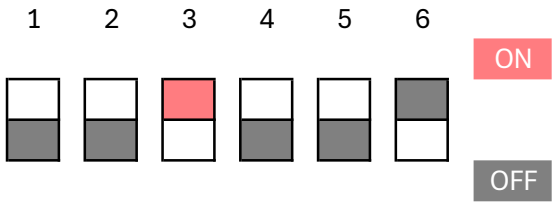
	CITY MULTI	PUMY- CP YBM
ITEM	OUTDOOR DIP SWITCH SETTINGS	Description

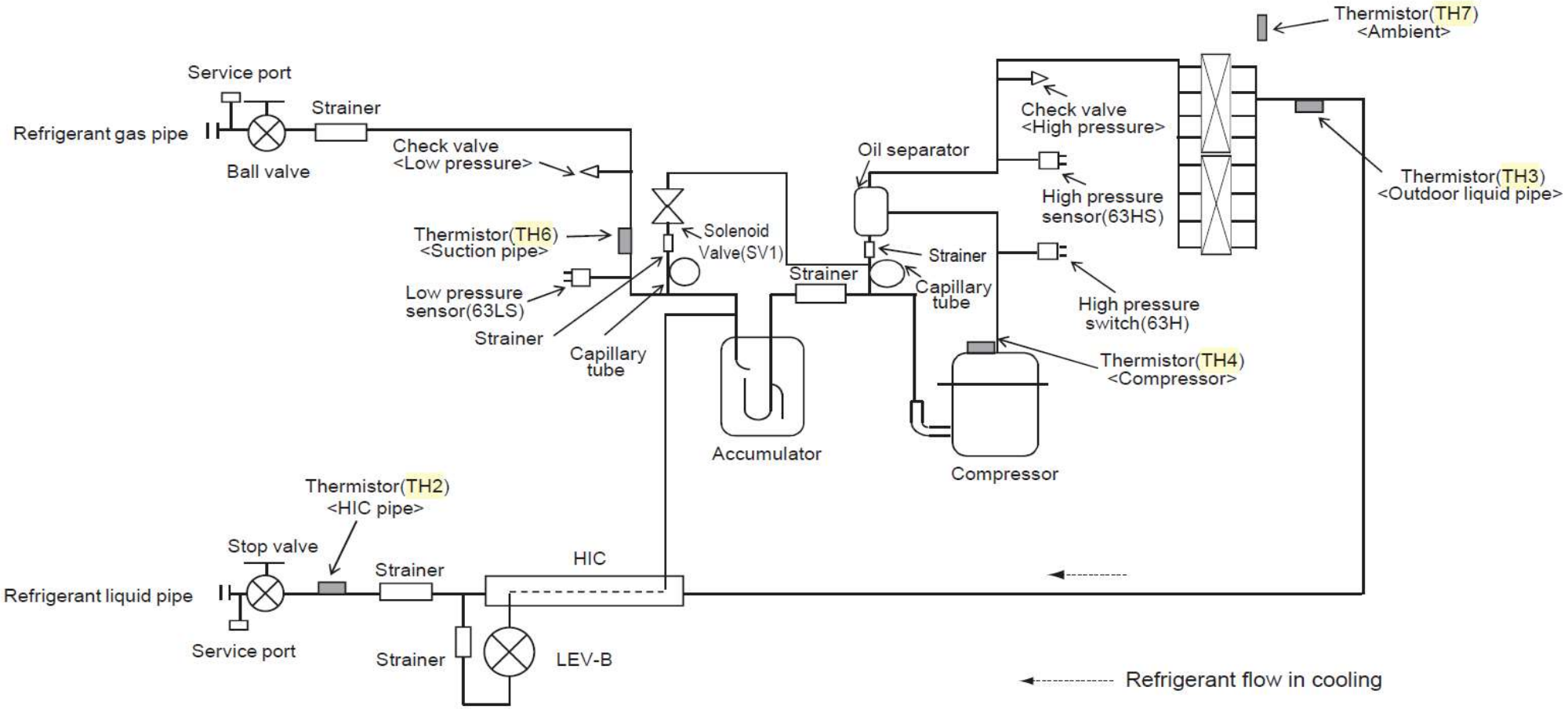


PUMY-CP YBM control pcb illustration

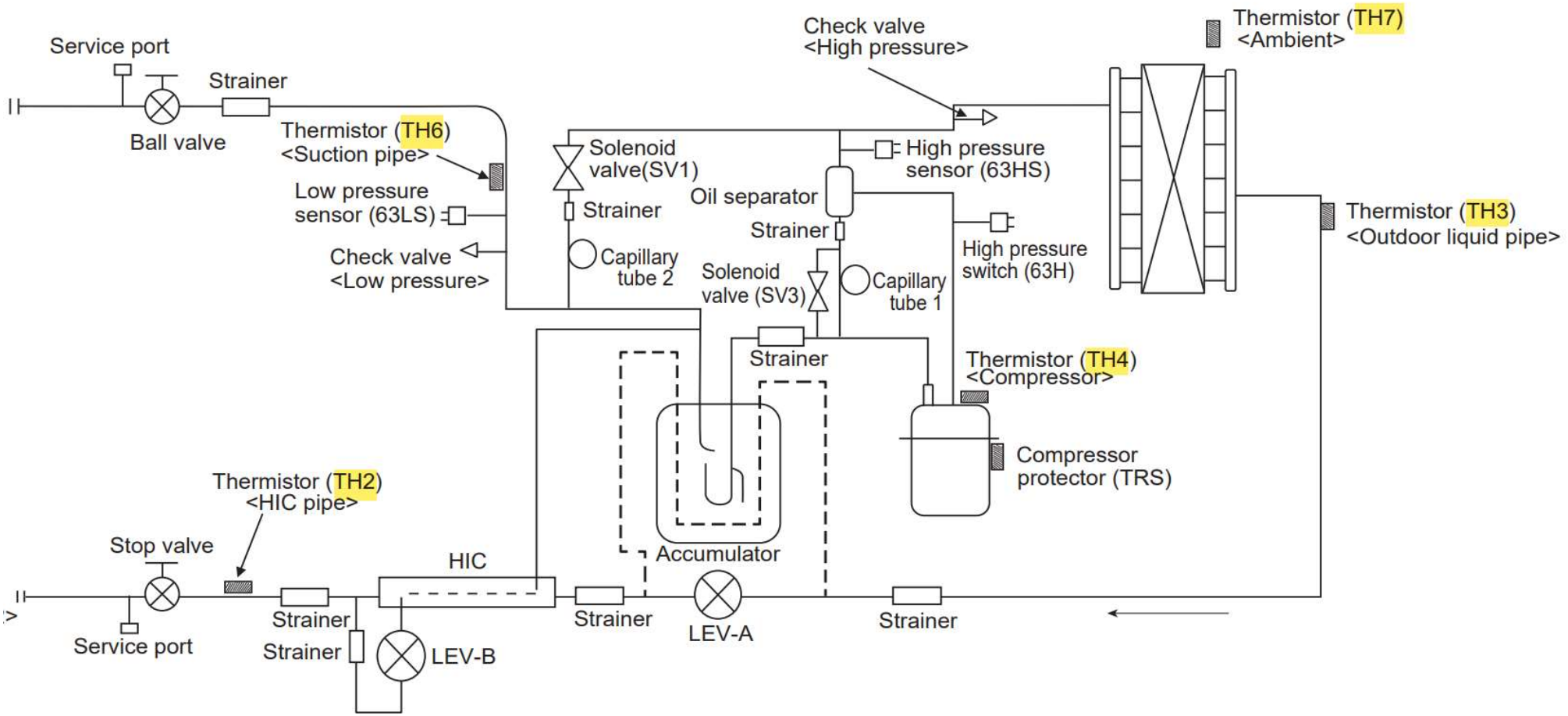
	CITY MULTI		PUMY- CP YBM
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
TH2	SW1		Themistor <HIC pipe> The unit is [°C]
TH3	SW1		Themistor <Outdoor Liquid pipe> The unit is [°C]
TH4	SW1		Themistor <Compressor> The unit is [°C]
TH6	SW1		Themistor <Suction pipe> The unit is [°C]

	CITY MULTI		PUMY- CP YBM
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
TH7	SW1		Themistor <Ambient> The unit is [°C]
HPS	SW1		High Pressure The unit is [kgf/cm2] <multiply by 14.2 for PSI>
LPS	SW1		Low Pressure The unit is [kgf/cm2] <multiply by 14.2 for PSI>
Comp Frequency Hz	SW1		Operational frequency [Hz]

	CITY MULTI		PUMY- CP YBM
ITEM	OUTDOOR DIP SWITCH SETTINGS		Description
Latest error info	SW1		Latest abnormality code history
Indoor connection info	SW1		Number of connected indoor units
Test run	SW3		ON - On from Outdoor Any time after the power is turned ON.
Clear error	SW2		Any time after the power is turned ON.



PUMY-CP YKM refrigerant circuit illustration



PUMY-CP YBM refrigerant circuit illustration