



NOTE
1.
2.
3.

BZ2	DC12V Buzzer	
R1.3	Support Relay	
TC2OUT	Temperature Controller Output	
DRSW	DOOR Switch	
PT2	Temperature Sensor (Pt100Ω)	
TC2	Temperature Controller	
SV5	Solenoid Valve (LN2)	
SV/SW	Solenoid Valve Switch	
PB	Push Button(BAT CHECK)	
BZ1	DC12V Buzzer	
BZSW1	Buzzer Switch(AL-1)	
BAT1	Battery(DC12V)	
CHG1	Battery Charger	
SIMBOL	DESCRIPTION	REMARKS

If the Auto Back-up System is Installed (LN2)		
R1.3	Support Relay	
BZ3	DC 3V Buzzer	
BZSW2	Buzzer Switch(AL-1)	
BAT2	Battery(DC 2.4V)	
CHG2	Battery Charger	
SIMBOL	DESCRIPTION	REMARKS

Alarm		
R1.3	Support Relay	
PSW	Switch Remote Control	
TP	Terminal, Output Signal	
SIMBOL	DESCRIPTION	REMARKS

Remote		
THSW1-2	Thermo Switch	
TR	Transformer (220V ≈110V/50VA)	
SV1-4	Solenoid Valve	
PSW1-2	Pressure Control Switch	
RL	Error Lamp(AL2)	
T2,3	Timer	
T1	Compressor Delay Timer	
COMP1-2	Compressor (Ø3 380-415V)	
TH1-2	Thermal Relay	
F1SB.F2SB	Support Fan Motor	
F1-2	Fan Motor	
CS	Power Outlet	
R1-5	Support Relay	
MG1-2	Magnet Relay	
PT1	Temperature Sensor (Pt100Ω)	
TC1	Temperature Controller	
PSW	Power Switch	
SIMBOL	DESCRIPTION	REMARKS

MAIN		
DRAWN BY	PLANNED BY	CHECKED BY
APPROVED BY	UNIT	MM
SCALE	N	3rd
ANGLE		
CODE NO.	DWG NO.	CRYO 170 / 230
TITLE	Electrical schematic diagram	
SHEET		