



PRODUCT CATALOGUE



DODIA ELECTRICALS

Refrigeration / Air-Conditioning



A FEW WORDS ON PVR

We are an innovation driven company. Design and development come first at PVR and this has served us well over the 30 years we have been in existence. The first dedicated HVACR PLC and Case Controller were launched in India by us and we will maintain this position as a pioneering company in the Indian Electronics space.

Our PVR Labs department has 20+ people and we are constantly adding to that team. We have also invested in manufacturing equipment such as our recent SMD line to keep us ahead of the competition. We hope to see PVR growing 3 times its size in the next 5 years and to bring about a positive change in the Indian manufacturing space



VISION & VALUES

Our vision is to craft products as per customers acquaintance in ways that create a more sustainable business and betterment of future & environment at large through controlling technologies & services! We hope to see a healthy growth at PVR in the next 5 years and to bring about a positive change in the Indian Manufacturing Space!



ALWAYS INTEGRATED

Be Co-operative & honest to your moral principles



ALWAYS RESOLUTE

Constantly challenge yourself



ALWAYS EFFICIENT

Always deliver more than expected



ALWAYS CREATIVE

Think divergently & use innovation to mould technology



ALWAYS SUSTAINABLE

Create positive effect on the global & local environment



ALWAYS PASSIONATE

Keep up the energy & motivation to triumph glory



ALWAYS QUALITATIVE

Observe to analyze then improvise to implement



ALWAYS CUSTOMER-CENTRIC

Ease your customers pain

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INDICATOR

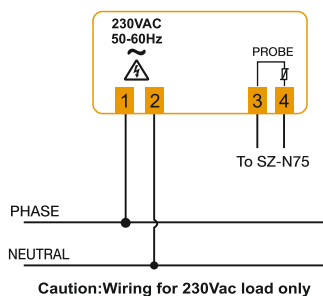
T-4R	1" Display, Panel Mount
T-72	1.3" Display, Panel Mount
T-77	2" Display, Wall Mount



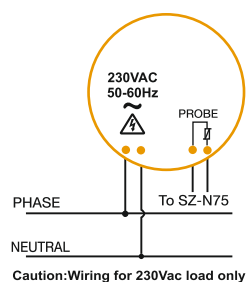
FEATURES	T-4R	T-72	T-77
Display	7 Segment LED Display, 2x25.4mm (1")	7 Segment LED Display, 3x33mm (1.3")	7 Segment LED Display, 3x50.8mm (2")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC RH Sensor (SZ-HS-100/ SZ-HS-220/4-20mA) Pressure Sensor(4-20mA)
Temperature Range	-50°C to +50°C	-50.0°C to +100°C	-50.0°C to +50.0°C -49°F to +212°F
Temperature Resolution	1°C	1°C	0.1°C / 1°F
Size	117 x 90mm	135 x 135mm	127 x 79mm
Mounting Type	Panel Mount	Panel Mount	Wall Mount
Panel Cutout	105 x 74mm	105 x 105mm	-
Application	Cold Room, General Application		

Connection Diagram

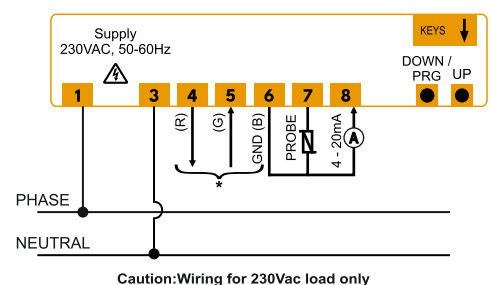
T-4R



T-72



T-77



- PROBE : NTC (SZ-T75)
- RH & Pressure Sensor : 4 - 20mA Input
- " * " RH Sensor : SZ-HS-100/SZ-HS-220

INDICATOR

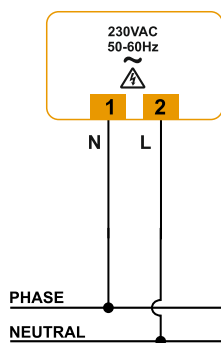
SZ-7501	0.4" Display, Panel Mount
SZ-7502	0.4" Display, Panel Mount
SZ-7505T	0.66" Display, Panel Mount



FEATURES	SZ-7501	SZ-7502	SZ-7505T
Display	7 Segment LED Display, 2x10.16mm (0.4")	7 Segment LED Display, 3x10.16mm (0.4")	7 Segment LED Display, 2x17mm (0.66")
Power Supply	230Vac Standard	9 to 16Vac/dc with External Transformer	230Vac Standard
Probe Input	NTC	NTC	NTC
Temperature Range	-40°C to +50°C	-10.0°C to +100°C	-45°C to +99°C
Temperature Resolution	1°C	0.1°C	1°C
Size	83.2 x 23.7mm	83.2 x 23.7mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	66 x 19mm	66 x 19mm	71 x 29mm
Application	Commercial Refrigeration, Display Cabinets, VSI Coolers, General Applications		

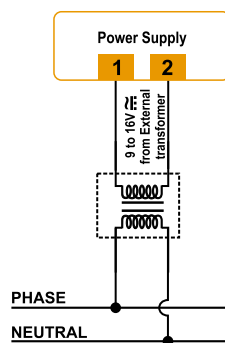
Connection Diagram

SZ-7501

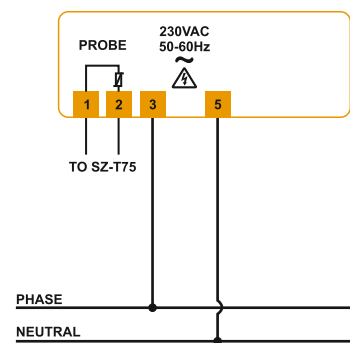


Caution: Wiring for 230Vac load only

SZ-7502



SZ-7505T



Caution: Wiring for 230Vac load only



Controlled cooling, *always*

INDICATOR & SCANNER

SZ-81145 Temperature+RH Indicator, 4" Display, Wall Mount

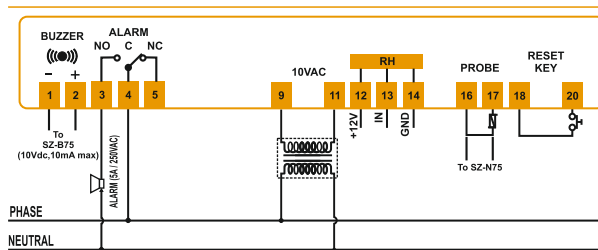
SZ-81147 Temperature Indicator, 4" Display, Wall Mount

SZ-7504 4 Channel Temperature Scanner, Panel Mount



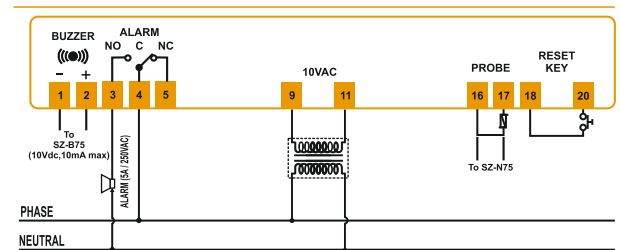
FEATURES	SZ-81145	SZ-81147	SZ-7504
Display	7 Segment LED Display, 2x101.6mm (4")	7 Segment LED Display, 2x101.6mm (4")	7 Segment LED Display, 2x14.2mm (0.56")
Power Supply	10Vac (230Vac External Transformer with Secondary 10V)	10Vac (230Vac External Transformer with Secondary 10V)	230Vac Standard
Probe Input	NTC, RH	NTC	4 NTC
Temperature Range	-50.0°C to +99.9°C	-50.0°C to +99.9°C	-50°C to +99°C
Humidity Range	0% to 100%	-	-
Temperature Resolution	0.1°C	0.5°C or 1.0°C	1°C
Humidity Resolution	1%	-	-
Relay Output	Alarm 5A	Alarm 5A	Alarm 5A
Size	300 x 230mm	300 x 230mm	75 x 34.5mm
Mounting Type	Wall Mount	Wall Mount	Panel Mount
Panel Cutout	-	-	71 x 29mm
Application	Cold Room, Humidity Indication, General Applications	Cold Room, General Applications	Cold Room, Laboratories

SZ-81145



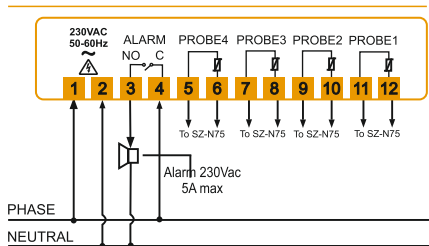
Caution : Wiring for 230Vac Loads Only.

SZ-81147



Caution : Wiring for 230Vac Loads Only.

SZ-7504



Caution : Wiring for 230Vac Loads Only.

GENERAL PURPOSE REFRIGERATION

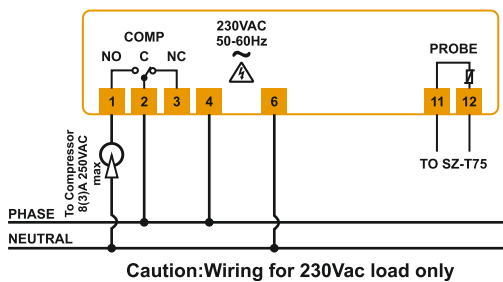
SZ-7510-P	Temperature Controller with 8A Relay
SZ-7569-P	Temperature Controller with 20A Relay
SZ-7510T	Temperature Controller with 8A Relay
SZ-7569T	Temperature Controller with 20A Relay



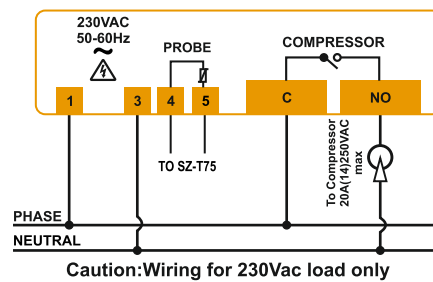
FEATURES	SZ-7510-P	SZ-7569-P	SZ-7510T	SZ-7569T
Display	7 Segment LED Display, 2x14.2mm (0.56")	7 Segment LED Display, 2x14.2mm (0.56")	7 Segment LED Display, 2x17mm (0.66")	7 Segment LED Display, 2x17mm (0.66")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC	NTC
Temperature Range	-45°C to +99°C	-45°C to +99°C	-45°C to +99°C	-45°C to +99°C
Temperature Resolution	1°C	1°C	1°C	1°C
Relay Output	Compressor 8(3)A	Compressor 20(14)A	Compressor 8(3)A	Compressor 20(14)A
Size	75 x 34.5mm	75 x 34.5mm	78 x 36mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm	71 x 29mm
Application	General appliances like Deep Freezers, Display Cabinet, Pastry Cabinets and Chillers			

Connection Diagram

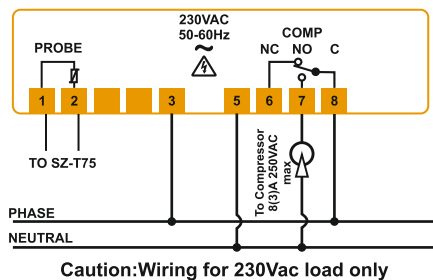
SZ-7510-P



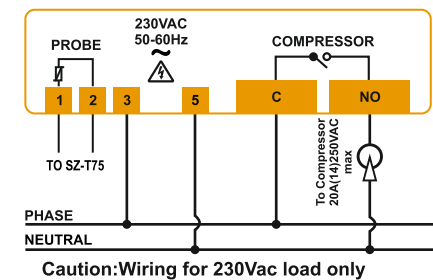
SZ-7569-P



SZ-7510T



SZ-7569T



GENERAL PURPOSE REFRIGERATION

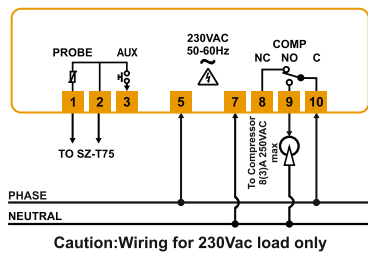
- SZ-7510T-DI** Temperature Controller with 8A Relay and Digital Input
- SZ-7556T-D** Temperature Controller with Differential Mode
- SZ-7589T** Temperature Controller with 20A Relay, Vertical Panel Mount



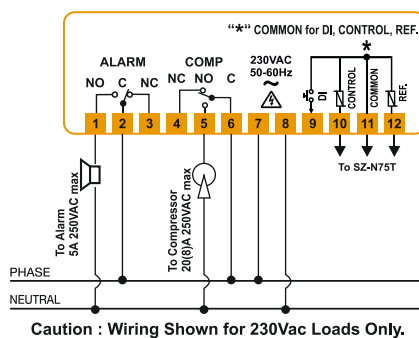
FEATURES	SZ-7510T-DI	SZ-7556T-D	SZ-7589T
Display	7 Segment LED Display, 2x17mm (0.66")	7 Segment LED Display, 3 x 17mm	7 Segment LED Display, 2x17mm (0.66")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC
Temperature Range	-45.0°C to +100°C	-30.0°C to +80.0°C	-45°C to +99°C
Temperature Resolution	0.1°C / 1°C	0.1°C / 1°C	1°C
Relay Output	Compressor 8(3)A	Compressor 20(8)A	Compressor 20(14)A
Alarm Output	-	Alarm 5A	-
Size	78 x 36mm	78 x 36mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm
Application	Chiller Machines & Similar application	Oil Chillers, Panel A/C's & similar applications	General appliances like Deep Freezers, Display Cabinet, Chillers

Connection Diagram

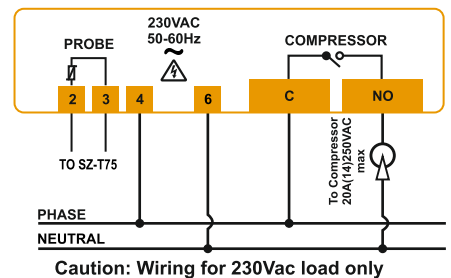
SZ-7510T-DI



SZ-7556T-D



SZ-7589T



GENERAL PURPOSE REFRIGERATION

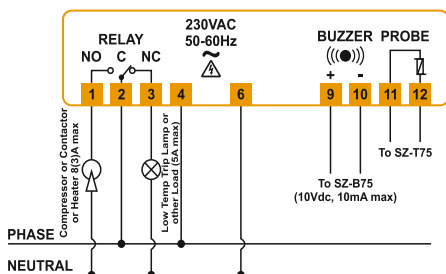
SZ-7512-P	Antifreeze Controller with Manual Defrost
SZ-7514-P	Antifreeze & Temperature Controller
SZ-7515-P	Temperature Controller with Buzzer
SZ-7525T-DI	Temperature Controller with Digital Input, Defrost & Buzzer



FEATURES	SZ-7512-P	SZ-7514-P	SZ-7515-P	SZ-7525T-DI
Display	7 Segment LED Display, 2x14.2mm (0.56")	7 Segment LED Display, 2x14.2mm (0.56")	7 Segment LED Display, 2x14.2mm (0.56")	7 Segment LED Display, 2x17mm (0.66") 2x11mm (0.43")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC	NTC
Digital Input	-	-	-	Compressor Fault (Potential Free)
Temperature Range	-50°C to +50°C	-50°C to +50°C	-45°C to +99°C	-45.0°C to +100°C
Temperature Resolution	1°C	1°C	1°C	0.1°C / 1°C
Relay Output	Compressor 8(3)A	Compressor 8(3)A	Compressor 8(3)A	Compressor 20(8)A
Alarm Output	External Buzzer	External Buzzer	External Buzzer	External Buzzer
Size	75 x 34.5mm	75 x 34.5mm	75 x 34.5mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm	71 x 29mm
Application	Chiller Machines	Antifreeze	Chiller Machines, Lab Equipments, Display Cabinets	Small Cold Rooms, Freezers

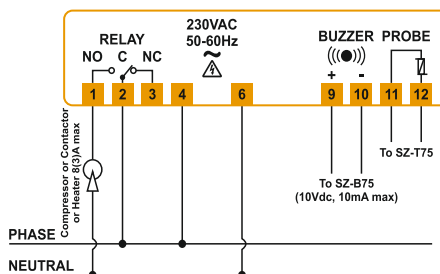
Connection Diagram

SZ-7512-P



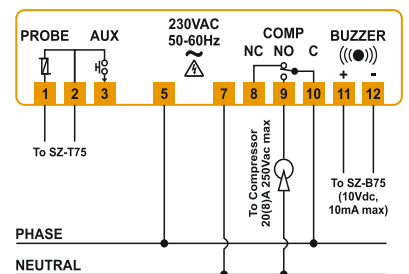
Caution : Wiring Shown for 230Vac Loads Only.

SZ-7514-P / SZ-7515-P



Caution : Wiring Shown for 230Vac Loads Only.

SZ-7525T-DI



Caution : Wiring Shown for 230Vac Loads Only.



Controlled cooling, always

GENERAL PURPOSE REFRIGERATION

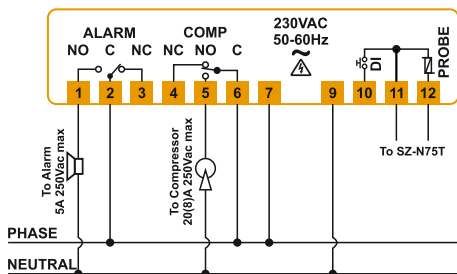
SZ-7556T	Temperature Controller with Alarm Output
SZ-7558T	Temperature Controller with 20A Relay & Alarm Output
SZ-7566T	Temperature Controller with Alarm Output
SZ-7568T	Temperature Controller with 20A Relay & Alarm Output



FEATURES	SZ-7556T	SZ-7558T	SZ-7566T	SZ-7568T
Display	7 Segment LED Display, 3 x 14.2mm (0.56")	Dot Matrix Display, 3 x 14.2mm (0.56")	7 Segment Display, 3 x 17mm (0.66")	7 Segment Display, 3 x 17mm (0.66")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC	NTC
Digital Input	Compressor Fault (Potential Free)	Compressor Fault (Potential Free)	Compressor Fault (Potential Free)	Compressor Fault (Potential Free)
Temperature Range	0.0°C to +50.0°C	0.0°C to +50.0°C	-40.0°C to +99.0°C	-40.0°C to +99.0°C
Temperature Resolution	0.1°C / 1°C	0.1°C / 1°C	0.1°C / 1°C	0.1°C / 1°C
Relay Output	Compressor 20(8)A	Compressor 20(14)A	Compressor 20(8)A	Compressor 20(14)A
Alarm Output	Alarm 5A	Alarm 5A	Alarm 5A	Alarm 5A
Size	78 x 36mm	78 x 36mm	78 x 36mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm	71 x 29mm
Application	Panel A/C, Oil Cooler, Package A/C & applications requiring Alarms			

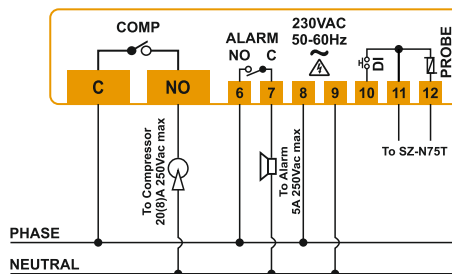
Connection Diagram

SZ-7556T / SZ-7566T



Caution : Wiring Shown for 230Vac Loads Only.

SZ-7558T / SZ-7568T



Caution : Wiring Shown for 230Vac Loads Only.

TWO COMPRESSOR, A/O CONTROLLER

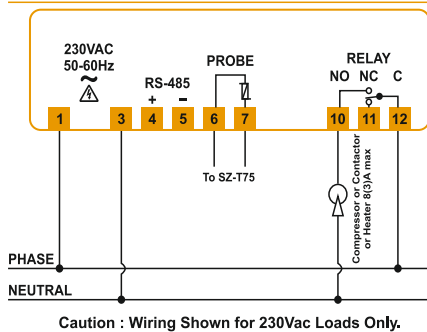
- SZ-7510-C** Temperature Controller with PC Communication
- SZ-7552T** Controller for Two Compressors (Range: -40.0°C to +99.0°C)
- SZ-7562T** Controller for Two Compressors (Range: 0.0°C to +50.0°C)
- SZ-7573-C** Temperature Controller with Analog Output & RS-485 Communication



FEATURES	SZ-7510-C	SZ-7552T	SZ-7562T	SZ-7573-C
Display	Dot Matrix Display, 3 x 14.2mm (0.56")	7 Segment LED Display, 3 x 17mm (0.66")	7 Segment LED Display, 3 x 17mm (0.66")	7 Segment LED Display, 2x14.2mm (0.56")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard	100-265VAC
Probe Input	NTC	NTC	NTC	NTC
Analog Output	-	Compressor1 Fault, Compressor2 Fault (Potential Free)	Compressor1 Fault, Compressor2 Fault (Potential Free)	4-20mA (Res. 1mA) 0-10V (Res. 1V)
Digital Input	-	Compressor1 Fault, Compressor2 Fault (Potential Free)	Compressor1 Fault, Compressor2 Fault (Potential Free)	-
Temperature Range	-50.0°C to +50.0°C	0.0°C to +50.0°C	-40.0°C to +99.0°C	-40°C to +110°C
Temperature Resolution	0.1°C	0.1°C / 1°C	0.1°C / 1°C	1°C
Relay Output	Compressor 8(3)A	Compressor1 : 10(1)A Compressor2 : 10(1)A	Compressor1 : 10(1)A Compressor2 : 10(1)A	Compressor 8(3)A
Serial Output	RS-485	-	-	RS-485
Size	75 x 34.5mm	78 x 36mm	78 x 36mm	75 x 34.5mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm	71 x 29mm
Application	Deep Freezers, Display Cabinet, Steam Bath Systems and Chillers	2 Independent cooling units with One Temperature Sensor		

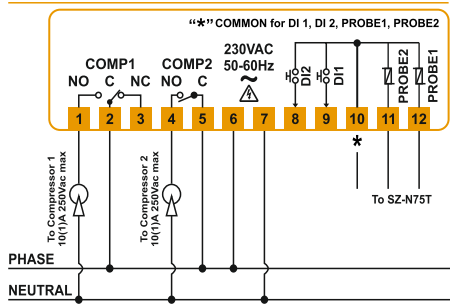
Connection Diagram

SZ-7510-C



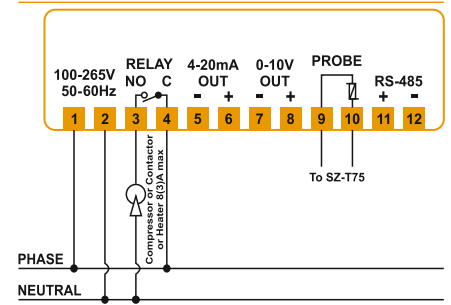
Caution : Wiring Shown for 230Vac Loads Only.

SZ-7552T / SZ-7562T



Caution : Wiring Shown for 230Vac Loads Only.

SZ-7573-C



Caution : Wiring Shown for 230Vac Loads Only.

BLOOD BANK, BULK MILK

SZ-7516T

Blood Bank Controller

SZ-7518T

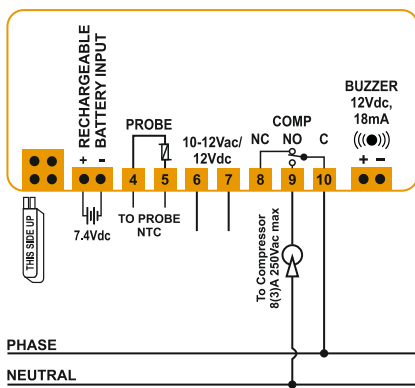
Bulk Milk Cooler Controller



FEATURES	SZ-7516T	SZ-7518T
Display	7 Segment LED Display, 3x17mm (0.66")	7 Segment LED Display, 3x17mm (0.66")
Power Supply	10-12Vac / 12Vdc (External Transformer)	230Vac Standard
Probe Input	NTC	NTC
Digital Input	-	Compressor1 Fault, Compressor2 Fault, Door Open Fault (Potential Free)
Temperature Range	-30.0°C to +50.0°C -22°F to +122°F	-40.0°C to +99.0°C
Temperature Resolution	0.1°C / 1°C / 1°F	0.1°C / 1°C
Relay Output	Compressor 8(3)A	Compressor1 : 8(3)A Compressor2 : 8(3)A Agitator : 8(3)A
Alarm Output	External Buzzer	-
Battery Backup	Yes	-
Size	94 x 35.3mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm
Application	Blood Bank	Bulk Milk Cooler

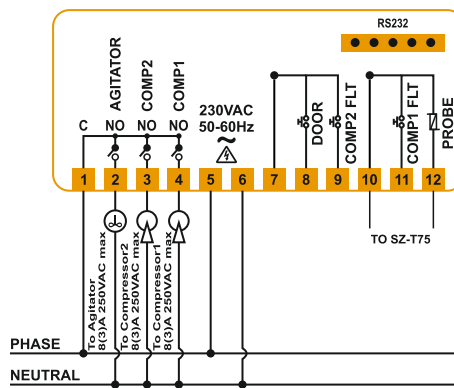
Connection Diagram

SZ-7516T



Caution : Wiring Shown for 230Vac Loads Only.

SZ-7518T



Caution : Wiring Shown for 230Vac Loads Only.

OFF CYCLE DEFROST

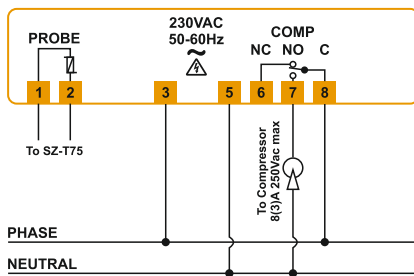
- SZ-7520T** Off Cycle Defrost Controller
- SZ-7529T** Off Cycle Defrost Controller with 20A Relay
- SZ-7525T-DI** Temperature Controller with Digital Input & Buzzer



FEATURES	SZ-7520T	SZ-7529T	SZ-7525T-DI
Display	7 Segment LED Display, 2 x 17mm (0.66")	7 Segment LED Display, 2 x 17mm (0.66")	7 Segment LED Display, 2 x 17mm (0.66") 1 x 11mm (0.43")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC
Digital Input	-	-	Compressor Fault (Potential Free)
Temperature Range	-45°C to +99°C	-45°C to +99°C	-45.0°C to +100°C
Temperature Resolution	1°C	1°C	0.1°C / 1°C
Relay Output	Compressor : 8(3)A	Compressor : 20(14)A	Compressor : 20(8)A
Alarm Output	-	-	External Buzzer
Size	78 x 36mm	78 x 36mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm
Application	Small Cold Rooms, Freezers	Chest Freezers, Pizza Counters	Small Cold Rooms, Freezers

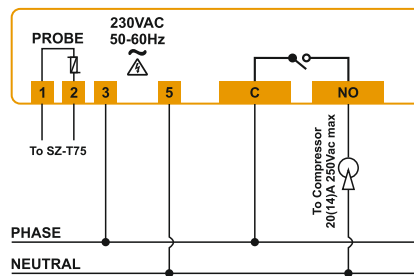
Connection Diagram

SZ-7520T



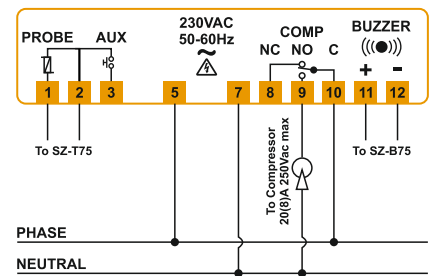
Caution : Wiring Shown for 230Vac Loads Only.

SZ-7529T



Caution : Wiring Shown for 230Vac Loads Only.

SZ-7525T



Caution : Wiring Shown for 230Vac Loads Only.



Controlled cooling, always

AIR DRYER

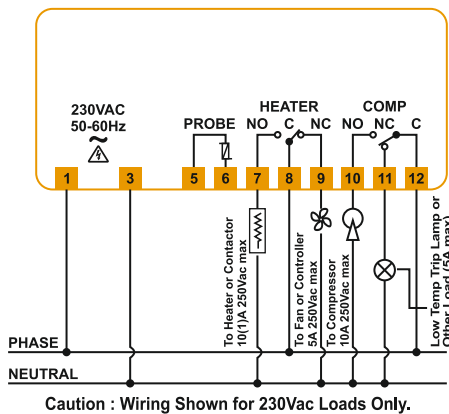
SZ-7521-P	Air Dryer Controller
SZ-7521T	Air Dryer Controller
SZ-7531T	Dual Set Point Controller for Air Dryer



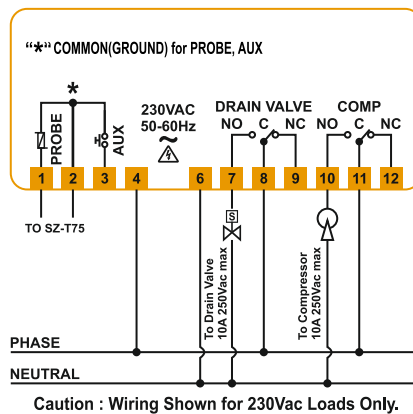
FEATURES	SZ-7521-P	SZ-7521T	SZ-7531T
Display	7 Segment LED Display, 3 x 14.2mm (0.56")	7 Segment LED Display, 3 x 17mm (0.66")	7 Segment LED Display, 2 x 17mm (0.66") 1 x 11mm (0.43")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC
Digital Input	-	Auxiliary Digital Input for Compressor & Drain Valve (Potential Free)	Auxiliary Digital Input for Fan, HGSV & Drain Valve (Potential Free)
Temperature Range	-44°C to +99°C	-40.0°C to +99.0°C	-45.0°C to +100°C
Temperature Resolution	1°C	0.1°C / 1°C	0.1°C / 1°C / 0.5°C
Relay Output	Compressor1 : 10(1)A Compressor2 : 10(1)A	Compressor1 : 10(1)A Compressor2 : 10(1)A	Fan : 10(1)A HGSV : 10(1)A Drain Valve : 10(1)A
Size	75 x 34.5mm	78 x 36mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm
Application	Air Dryer		

Connection Diagram

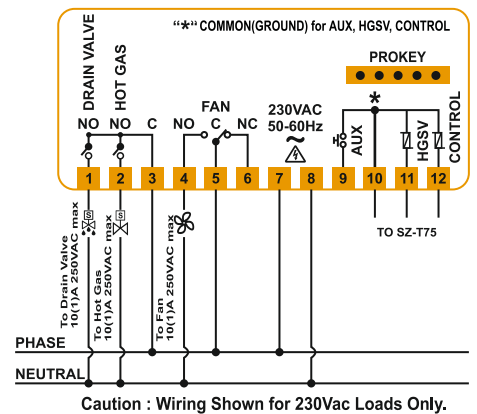
SZ-7521-P



SZ-7521T



SZ-7531T



FREEZER

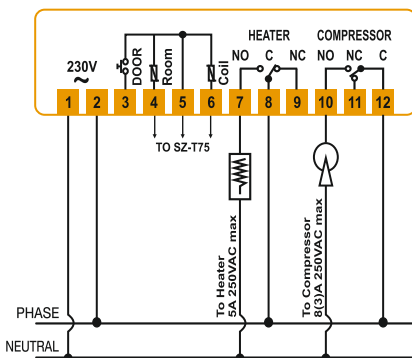
- SZ-7522-P** Small Cold Room / Freezer Controller
- SZ-7524T** Small Cold Room / Refrigerated Tables Controller
- SZ-7524T2** Small Cold Room / Refrigerated Tables Controller with 20A Relay & Prokey



FEATURES	SZ-7522-P	SZ-7524T	SZ-7524T2
Display	7 Segment LED Display, 2 x 17mm (0.66")	7 Segment LED Display, 3 x 17mm (0.66")	7 Segment LED Display, 3 x 17mm (0.66")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC
Digital Input	-	Compressor Fault, Door Open Fault (Potential Free)	Compressor Fault, Door Open Fault (Potential Free)
Temperature Range	-50°C to +99°C (for Room Probe) -50°C to +50°C (for Coil Probe)	-50.0°C to +50.0°C	-50.0°C to +50.0°C
Temperature Resolution	0.1°C / 1°C	0.1°C / 1°C	0.1°C / 1°C
Relay Output	Compressor : 8(3)A Defrost : 5A	Compressor : 8(3)A Fan : 8(3)A Defrost : 8(3)A	Compressor : 20(8)A Fan : 5A Defrost : 8(3)A
Alarm Output	-	-	Internal Buzzer
Prokey	-	-	Yes
Size	78 x 36mm	94 x 35.3mm	94 x 35.3mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm
Application	Small Cold Rooms, Freezers	Small Cold Rooms, Freezers, Refrigerated Tables	

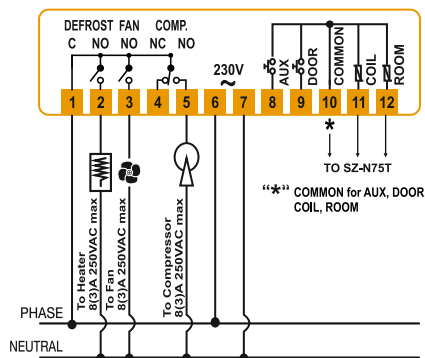
Connection Diagram

SZ-7522-P



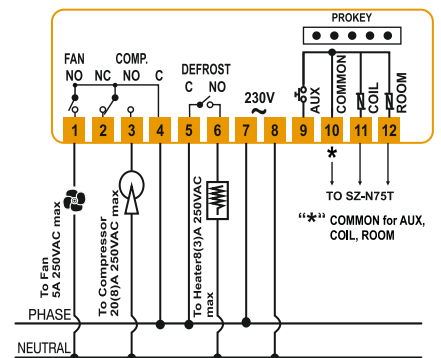
Caution : Wiring Shown for 230Vac Loads Only.

SZ-7524T



Caution : Wiring Shown for 230Vac Loads Only.

SZ-7524T2



Caution : Wiring Shown for 230Vac Loads Only.



Controlled cooling, always

CHILLER / AIR CONDITIONING

Megachill 1 Compressor 1 Compressor Chiller Controller with Split Board

Megachill 2 Compressor 2 Compressor Chiller Controller with Split Board

Megachill 3 Compressor 3 Compressor Chiller Controller with Split Board



	Megachill 1 Compressor	Megachill 2 Compressor	Megachill 3 Compressor
Display	7 Segment LED Display, 3 x 14.2mm (0.56") + 16 x 2 LCD	7 Segment LED Display, 3 x 14.2mm (0.56") + 16 x 2 LCD	7 Segment LED Display, 3 x 14.2mm (0.56") + 16 x 2 LCD
Power Supply	230VAC : External transformer with Secondary 9V & 10V	230VAC : External transformer with Secondary 9V & 10V	230VAC : External transformer with Secondary 9V & 10V
Probe Input	6 NTC : Control (Liquid), Antifreeze, Condenser In, Condenser Out, Water In, Water Out	6 NTC : Control (Liquid), Antifreeze, Condenser In, Condenser Out, Water In, Water Out	6 NTC : Control (Liquid), Antifreeze, Condenser In, Condenser Out, Water In, Water Out
Digital Input	HP, LP, OSS, AFT, Comp O/L, Cond O/L, Pump O/L, SPP, CCH, CWFS, EWFS, Medium Water Level, Low Water Level, R, Y, B (Potential)	HP1, LP1, OSS1, Comp O/L1, Cond O/L1, Pump O/L, SPP, EWFS, HP2, LP2, OSS2, Comp O/L2, Cond O/L2, Antifreeze Trip (Internal), Medium Water Level, Low Water Level, R, Y, B (Potential)	HP1, LP1, OSS1, Comp O/L1, Cond O/L1, HP2, LP2, OSS2, Comp O/L2, Cond O/L2, HP3, LP3, OSS3, Comp O/L3, Cond O/L3, Pump O/L, SPP1, SPP2, SPP3, EWFS, Medium Water Level, Low Water Level (Potential)
Temperature Range	-30.0°C to +50.0°C	-30.0°C to +50.0°C	-30.0°C to +50.0°C
Temperature Resolution	0.5°C	0.5°C	0.5°C
Relay Output	Compressor : 10A Pump : 10A Condenser : 10A Water SV : 10A Reset : 10A Pump Down SV : 10A	Compressor1 : 8(3)A Compressor2 : 8(3)A Pump : 5A Condenser1 : 5A Condenser2 : 5A Pump Down SV1 : 5A Pump Down SV2 : 5A Water SV : 5A	Compressor1 : 8(3)A Compressor2 : 8(3)A Compressor3 : 8(3)A Pump : 5A Condenser1 : 5A Condenser2 : 5A Condenser3 : 5A Pump Down SV1 : 5A Pump Down SV2 : 5A Pump Down SV3 : 5A Water SV : 5A
Alarm Output	Alarm 5A	Alarm 5A	Alarm 5A
Size	205 x 160mm	205 x 160mm	205 x 160mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	167 x 124mm	167 x 124mm	167 x 124mm
Application	Process Chilling, Airconditioning		

CHILLER / AIR CONDITIONING

Megachill Pro 1 Compressor 1 Compressor Chiller Controller with 7" Touch Screen Display

Megachill Pro 2 Compressor 2 Compressor Chiller Controller with 7" Touch Screen Display

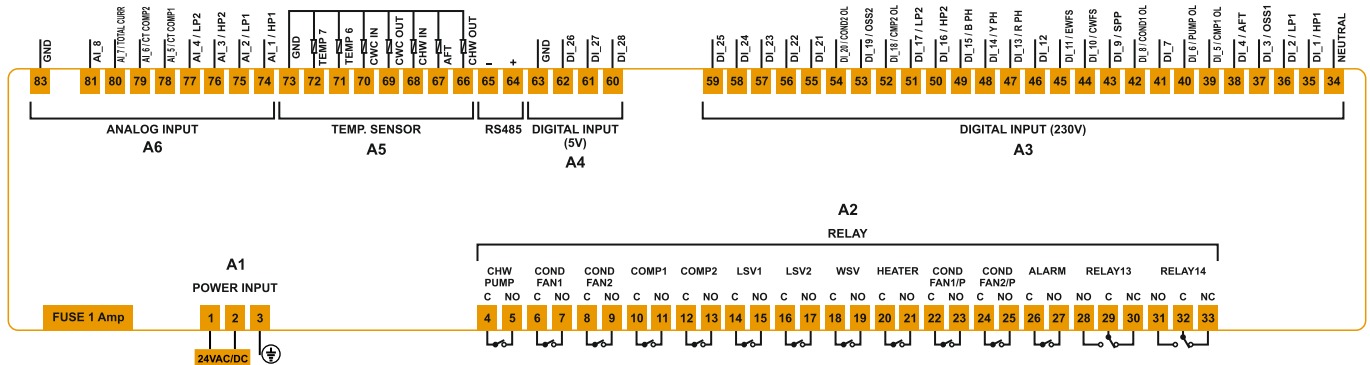


	Megachill Pro 1 Compressor	Megachill Pro 2 Compressor
Display	7" HMI Touch Display	7" HMI Touch Display
Power Supply	24V ac/dc	24V ac/dc
Probe Input	5 NTC : CHW OUT, CHW IN, AFT, CWC OUT, CWC IN	6 NTC : CHW OUT, CHW IN, AFT1, AFT2, CWS OUT, CWS IN
Analog Input	HP, LP (4-20mA) CT COMP, Total Current (5VDC)	HP1, HP2, LP1, LP2 (Compressor Current / Pressure Input)
Digital Input	HP, LP, OSS, AFT, COMP OL, PUMP OL, COND OL, SPPR, CWFS, EWFS, Remote Input, Water Level Medium, Water Level Low, R, Y, B (Potential)	HP1, LP1, OSS1, AFT, COMP1 OL, PUMP1 OL, COND1 OL, HP2, LP2, OSS2, COMP2 OL, PUMP2 OL, COND2 OL, SPPR, CWFS, EWFS, Water Level Medium, Water Level Low (Potential)
Temperature Range	-30.0°C to +80.0°C	-30.0°C to +80.0°C
Temperature Resolution	0.1°C	0.1°C
Relay Output	CHW Pump : 5A Condenser Fan : 5A Compressor : 5A LSV : 5A WSV : 5A Heater : 5A Condenser Fan/P : 5A	CHW Pump : 5A Condenser Fan1 : 5A Condenser Fan2 : 5A Compressor1 : 5A Compressor2 : 5A LSV1 : 5A LSV2 : 5A WSV : 5A Heater : 5A Condenser Fan1/P : 5A Condenser Fan2/P : 5A
Alarm Output	Alarm 5A	Alarm 5A
Serial Output	RS-485	RS-485
Size	204mm x 145mm x 44.5mm (7" HMI) 325 x 120mm (Relay Board)	204mm x 145mm x 44.5mm (7" HMI) 325 x 120mm (Relay Board)
Mounting Type	Panel Mount (HMI) Dinrail Mount (Relay Board)	Panel Mount (HMI) Dinrail Mount (Relay Board)
Panel Cutout	192mm x 138mm (7" HMI)	192mm x 138mm (7" HMI)
Application	Process Chillers - Scroll, Centrifugal, Reciprocating	

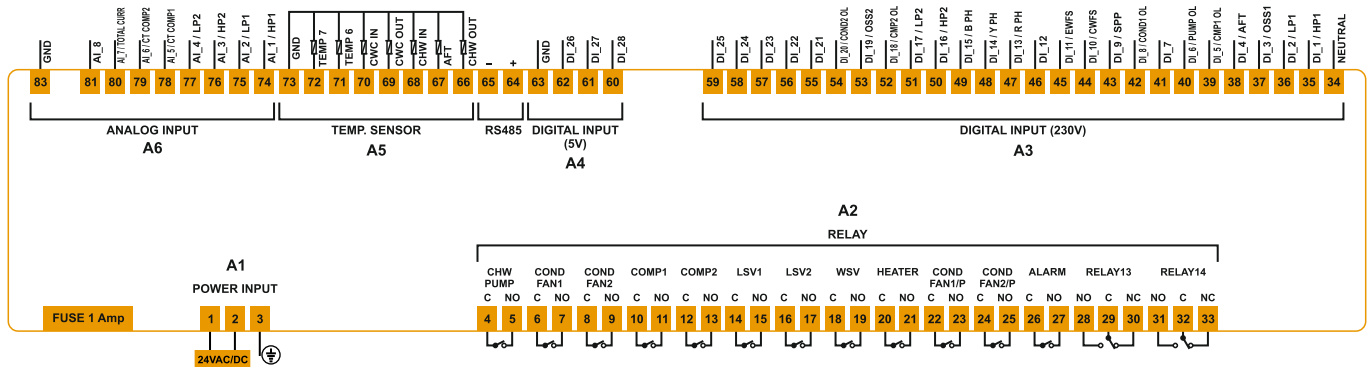
CHILLER / AIR CONDITIONING

Connection Diagram

Megachill Pro 1 Compressor



Megachill Pro 2 Compressor



CHILLER / AIR CONDITIONING

- NC-110A** 1 Compressor Chiller Controller with LCD (res. 0.5°C)
MC-110 1 Compressor Chiller Controller with LCD + LED
SZ-7576 1 Compressor Controller for Three Package A/C

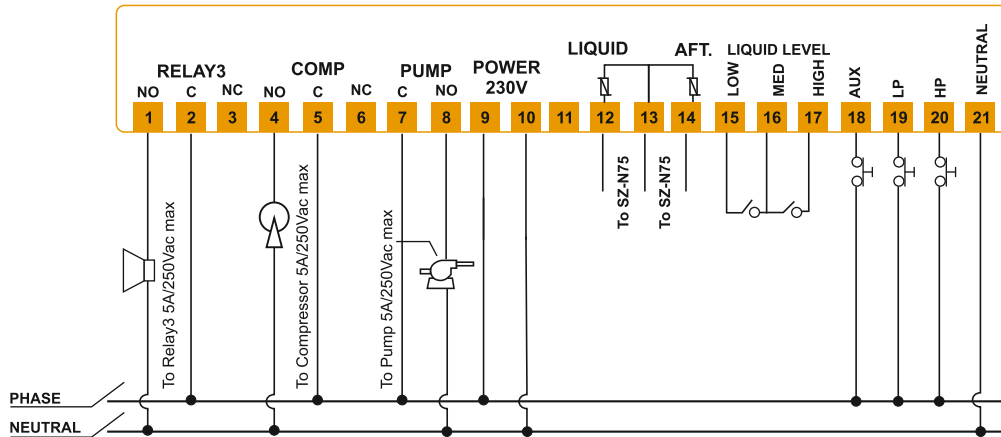


	NC-110	MC-110	SZ-7576
Display	16x2 LCD	7 Segment LED Display 3x9.1mm (0.36") + 16x2 LCD	7 Segment LED Display 2x14.2mm (0.56")
Power Supply	230Vac	230Vac	230Vac
Probe Input	NTC	NTC	NTC
Digital Input	HP, LP, AUX (Potential)	HP, LP, Comp O/L, Pump O/L, SPP, Cond O/L, EWFS, CWFS trip protection for Compressor (Potential)	HP / LP/ OSS / Phase Loss (separate i/p for each compressor) (Potential)
Temperature Range	-30.0°C to +50.0°C	-30.0°C to +70.0°C	0°C to +50°C
Temperature Resolution	0.5°C	0.5°C	1°C
Relay Output	Compressor : 8(3)A Pump : 5A Water SV or Alarm 5A	Compressor : 8(3)A Pump : 5A Water SV 5A	Compressor1 : 8(2)A Compressor2 : 8(2)A Compressor3 : 8(2)A Condenser1 : 8(2)A Condenser2 : 8(2)A Condenser3 : 8(2)A Blower : 8(2)A
Alarm Output	-	Internal Buzzer	-
Size	106.2 x 50mm	96 x 96mm	96 x 96mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	92 x 45mm	92 x 92mm	92 x 92mm
Application	Process Chiller	Process Chiller	Package A/C Units

CHILLER / AIR CONDITIONING

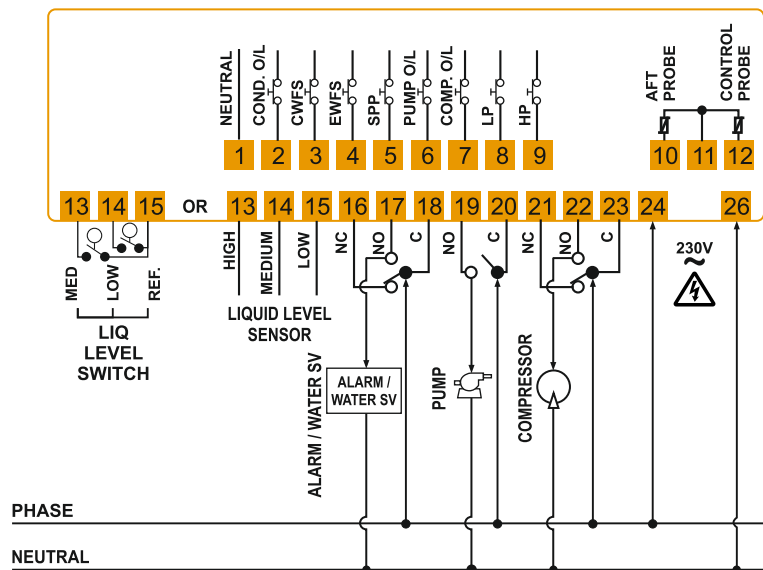
Connection Diagram

NC-110A



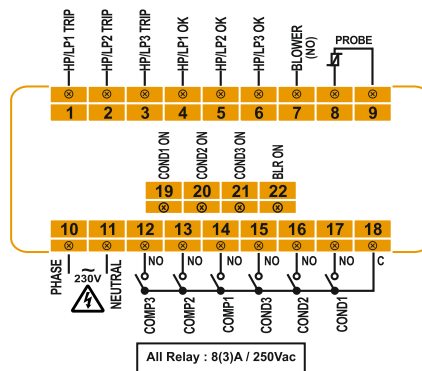
Caution: Wiring for 230Vac load only

MC-110



Caution: Wiring for 230Vac load only

SZ-7576



CHILLER / AIR CONDITIONING

PiC-167

1 Compressor Chiller Controller with Dual Display

PiC-177

1 Compressor Chiller Controller with Dual Display & Communication

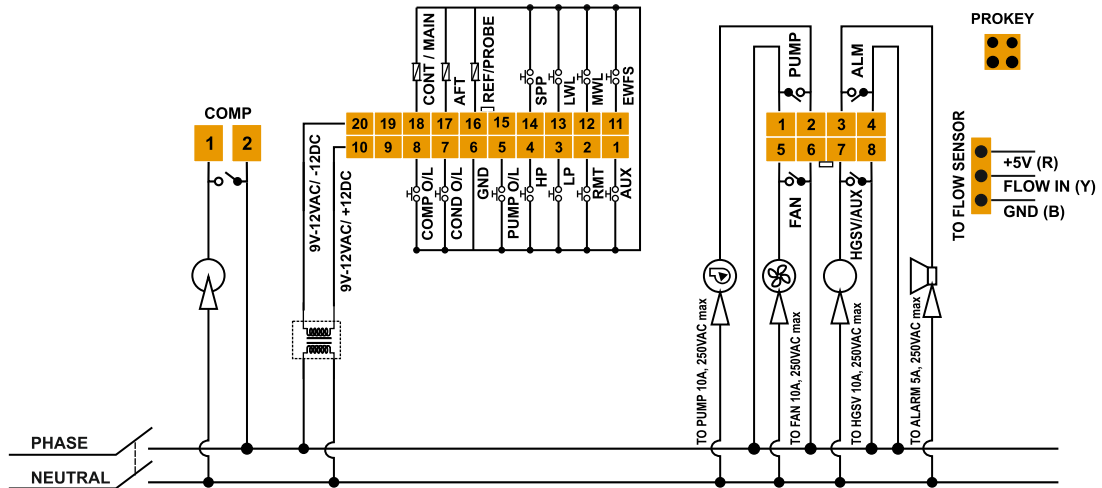


	PiC-167	PiC-177
Display	7 Segment Display, 4 X 8.6mm (0.33") Red + 4 X 4.9mm (0.27") Amber	7 Segment Display, 4 X 8.6mm (0.33") Red + 4 X 4.9mm (0.27") Amber
Power Supply	9V-12VAC/DC from External Transformer , 50-60Hz	9V-12VAC/DC from External Transformer , 50-60Hz
Probe Input	3 NTC : Control (Liquid), Antifreeze, Reference	4 NTC : Control (Liquid), Antifreeze, Probe1, Probe2
Flow Sensor Input	2 to 25LPM(for ½"), 2 to 60 LPM (for ¾"), 2 to 120 LPM(for 1.25"), 5 to 200 LPM(for 1.5"), 10 to 300 LPM(for 2")	2 to 25LPM(for ½"), 2 to 60 LPM (for ¾"), 2 to 120 LPM(for 1.25"), 5 to 200 LPM(for 1.5"), 10 to 300 LPM(for 2")
Digital Input	Cond Fan OL, AUX, EWFS, PUMP OL, COMP OL, RMT, SPP, LWL, HP, LP, MWL (Potential Free)	Cond Fan OL, AUX, EWFS, PUMP OL, COMP OL, RMT, SPP, LWL, HP, LP, MWL (Potential Free)
Temperature Range	-40.0°C to +80.0°C	-40.0°C to +80.0°C
Temperature Resolution	0.5°C	0.5°C
Relay Output	Compressor : 30A Fan : 10A Pump : 10A HGSV/AUX: 10A	Compressor : 30A Fan : 10A Pump : 10A HGSV/AUX: 10A
Alarm Output	Alarm : 5A	Alarm : 5A
Serial Output	-	RS-485
Prokey	-	Yes
Size	78 x 36mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm
Application	Process Chiller, Heat Pump	

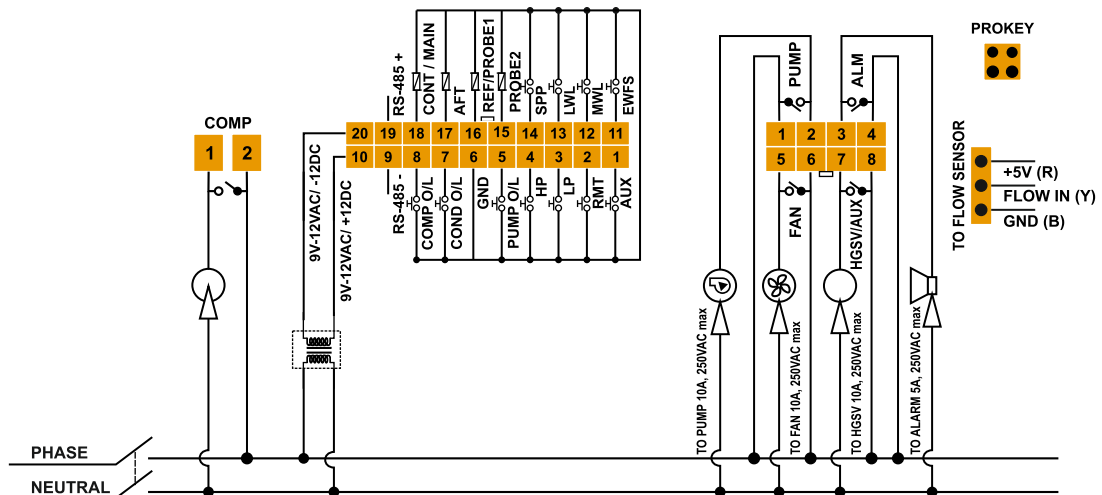
CHILLER / AIR CONDITIONING

Connection Diagram

■ PiC-167



■ PiC-177



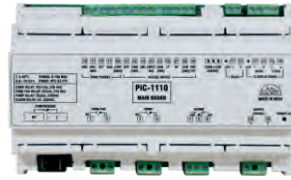
CHILLER / AIR CONDITIONING

PiC-1110

Single Phase, 1 Compressor, Split Type Process Chiller Controller

PiC-3140

Three Phase, 1 Compressor, Split Type Process Chiller Controller

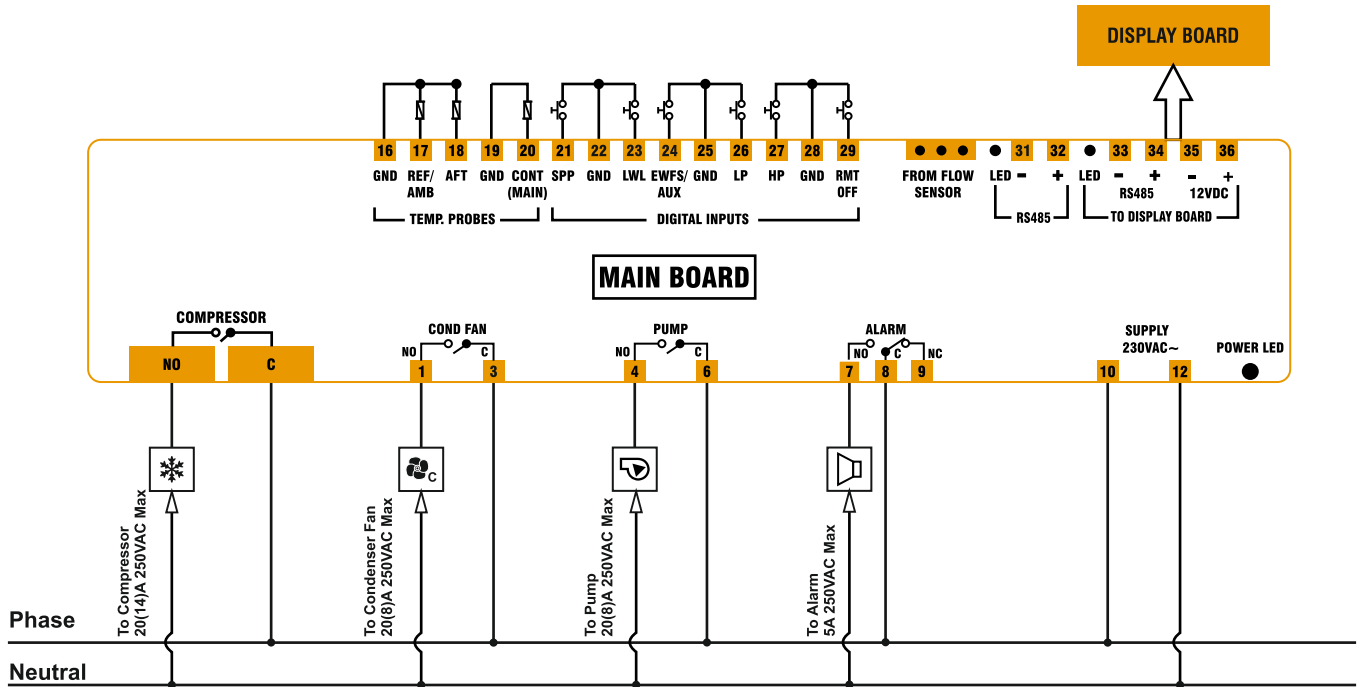


	PiC-1110	PiC-3140
Display	7 Segment Display 4 X 16.5mm (0.65") Red + 4 X 9mm (0.35") Amber	7 Segment Display 4 X 16.5mm (0.65") Red + 4 X 9mm (0.35") Amber
Power Supply	230Vac, +/- 10%, 50Hz/60Hz (Relay Board) 12Vdc (Display Board)	230Vac, +/- 10%, 50Hz/60Hz (Relay Board) 12Vdc (Display Board)
Probe Input	3 NTC : Control (Main), Antifreeze, Reference/ Ambient	3 NTC : Control (Main), Antifreeze, Reference/ Ambient
Flow Sensor Input	2 to 25 LPM (for 1/2"), 2 to 60 LPM (for 3/4"), 2 to 120 LPM (for 1.25"), 5 to 200 LPM (for 1.5"), 10 to 300 LPM (for 2")	2 to 25 LPM (for 1/2"), 2 to 60 LPM (for 3/4"), 2 to 120 LPM (for 1.25"), 5 to 200 LPM (for 1.5"), 10 to 300 LPM (for 2")
Digital Input	HP, LP, SPPR, EWFS, LWL, Remote Input (Potential Free)	HP, LP, SPPR, EWFS, LWL, Remote Input (Potential Free)
Temperature Range	-30.0°C to +80.0°C	-30.0°C to +80.0°C
Temperature Resolution	0.1°C / 1°C	0.1°C / 1°C
Relay Output	Compressor : 20(14)A Condenser Fan : 20(8)A Pump : 20(8)A	Compressor Relay for Contactor 5A Condenser Fan1 Relay for Contactor 5A Condenser Fan2 Relay for Contactor 5A Pump Relay for Contactor 5A
Alarm Output	Alarm : 5A	Alarm : 5A
CT Input	CT1 : Pump 0.0A to 8.0A CT2 : Condenser Fan 0.0A to 8.0A CT3 : Compressor 0.0A to 14.0A	CT1 : Pump 0.0A to 20.0A / 50.0A / 100.0A CT2 : Configurable 0.0A to 20.0A / 50.0A / 100.0A CT3 : Configurable 0.0A to 20.0A / 50.0A / 100.0A CT4 : Compressor 0.0A to 20.0A / 50.0A / 100.0A
Serial Output	RS-485	RS-485
Size	Display Board : 96 x 48mm Relay Board : 110 x 175mm	Display Board : 96 x 48mm Relay Board : 110 x 175mm
Mounting Type	Display Board : Panel Mount Relay Board : Dinrail Mount	Display Board : Panel Mount Relay Board : Dinrail Mount
Panel Cutout	Display Board : 92 x 45.5mm	Display Board : 92 x 45.5mm
Application	Process Chiller	

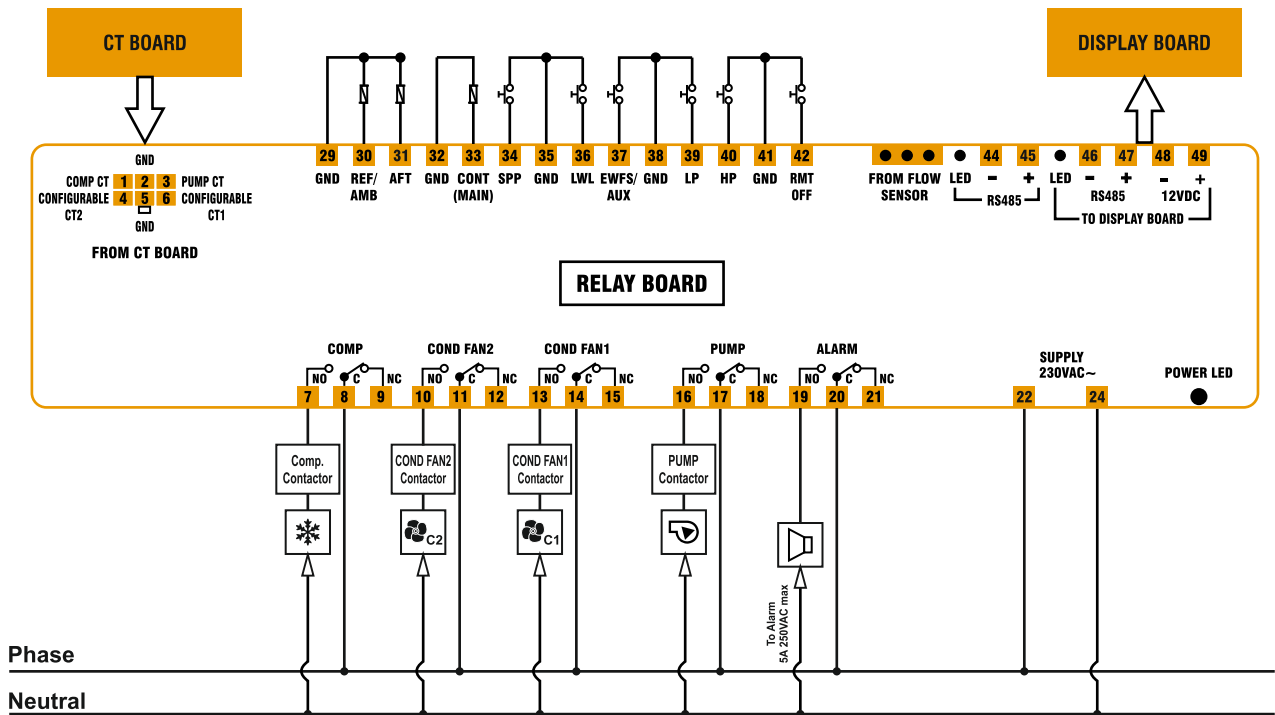
CHILLER / AIR CONDITIONING

Connection Diagram

■ PiC-1110



■ PiC-3140



AIR CONDITIONING

SZ-7548T

Panel AC Controller

SZ-7590T

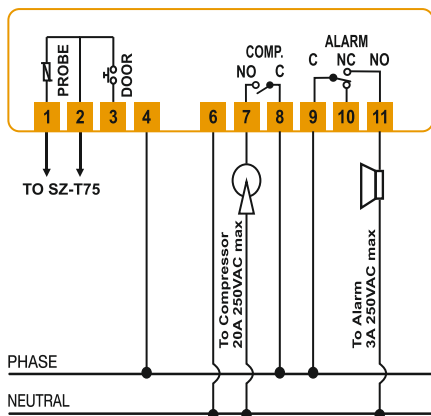
Bus Airconditioning Controller



	SZ-7548T	SZ-7590T
Display	7 Segment LED Display, 2x17mm (0.66")	7 Segment LED Display, 2x17mm (0.66")
Power Supply	230Vac Standard	12VDC / 24VDC
Probe Input	NTC	2 NTC : Control, Ambient
Power Transistor Output	-	12V DC, 1.5A (Comp, Fan High, Fan Medium, Fan Low)
Digital Input	Door (Potential Free)	-
Temperature Range	-9°C to +99°C	0°C to 90°C
Temperature Resolution	1°C	1°C
Relay Output	Compressor : 20A	-
Alarm Output	Alarm 5A	-
Size	78 x 36mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm
Application	Panel A/C, Oil cooler, Packaged A/C	Bus Air Conditioning

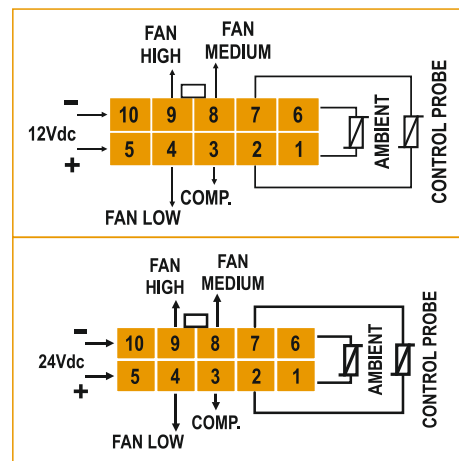
Connection Diagram

SZ-7548T

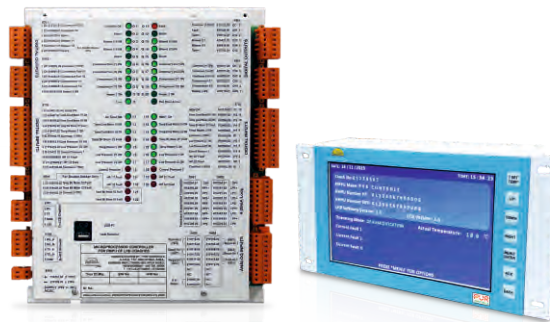


Caution : Wiring Shown for 230Vac Loads Only.

SZ-7590T



AIR CONDITIONING (RAILWAYS)



RMPU	
Display	Colour Graphical LCD Display
Power Supply	110±30% VAC/DC(Protected by fast acting fuse)
Probe Input	6 NTC x Fresh Air, Supply Air, Return Air temperature sensing
Pressure Transducer	8 x 4-20mA DC Current Loop
Humidity Sensor	1 x Input capacitive Hygrostat
Digital Input	22 x In galvanic isolated [110±30%VDC/AC(Coil Inputs)] Opto-Isolated switching
Digital Output	20 x In Galvanic Isolated [Relay Contacts switching (Normally Open Contacts)]
Serial Output	RS-232 (for LCD Display), RS-485 (for Multiple Units Inter-connectivity)
Passed with IEC Standard	IEC 60571 : Dry test , Bump test , Cooling Test, Burn-In test on populated PCB IS:513 : Specification for cold rolled low carbon steel sheets & strips IS 1572-68 : Specification for electroplated coatings of cadmium on iron and steel IEC 61373 : Vibration and shocks test IEC 61000 : EMI/EMC Compatibility, Surge , ESD, Radiated Susceptibility test IEC 60529 : Degree of protection provided by enclosures(IP Code) IEC 60068 : Environmental testing Insulation Resistance Test : Yes
Size	Display Board : 240 x 120 x 40mm Main Board : 260 x 325 x 65mm
Mounting Type	Display Board : Panel Mount Main Board : Wall Mount
Panel Cutout	Display Board : 197 x 120mm
Application	Air-conditioning in LHB coaches & Power Cars



HUMIDITY

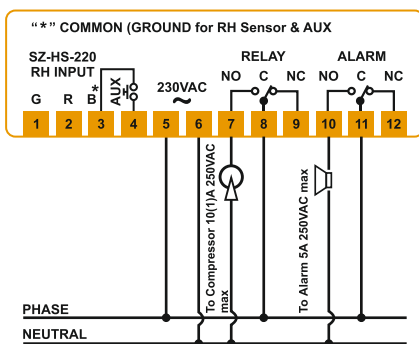
- SZ-2711T** RH Controller (Humidity Range: 30% to 90%)
- SZ-2911T** RH Controller (Humidity Range: 0% to 100%)
- SZ-4042-C** RH Controller with Communication & 4-20mA Input



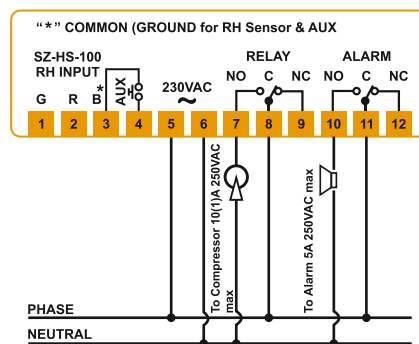
FEATURES	SZ-2711T	SZ-2911T	SZ-4042-C
Display	7 Segment Display 3 x 17mm (0.66")	7 Segment Display 3 x 17mm (0.66")	7 Segment LED Display 3 X 14.2mm (0.56")
Power Supply	230Vac Standard	230Vac Standard	24Vac/dc Standard
Probe Input	RH	RH	RH Sensor (4-20mA)
Digital Input	Auxiliary Fault (Potential Free)	Auxiliary Fault (Potential Free)	-
Temperature Range	30.0% to 90.0%	30.0% to 100.0%	0% to 100%
Temperature Resolution	0.1% to 1%	0.1% to 1%	1%
Relay Output	Humidifier / Dehumidifier : 10(1)A, 250Vac	Humidifier / Dehumidifier : 10(1)A, 250Vac	Relay : 10A
Alarm Output	Alarm 5A	Alarm 5A	Alarm 5A
Serial Output	-	-	RS-485
Size	78 x 36mm	78 x 36mm	75 x 34.5mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm
Application	Humidification & Dehumidification Systems		Humidity Control

Connection Diagram

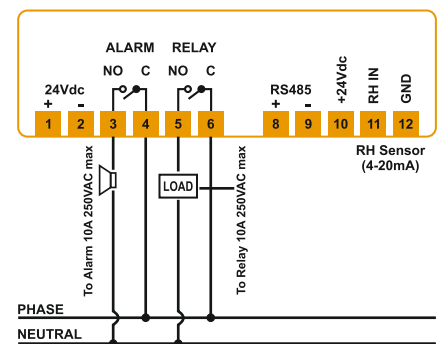
SZ-2711T



SZ-2911T



SZ-4042-C



HUMIDITY AND TEMPERATURE

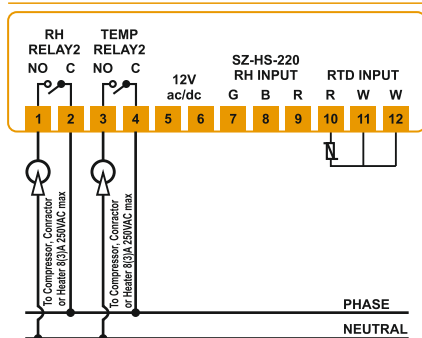
- SZ-9912** RH + Temperature Controller (Humidity Range: 30% to 90%)
- SZ-9922** RH + Temperature Controller (Humidity Range: 0% to 99%)
- SZ-9932T** RH + Temperature Controller, Dual Display



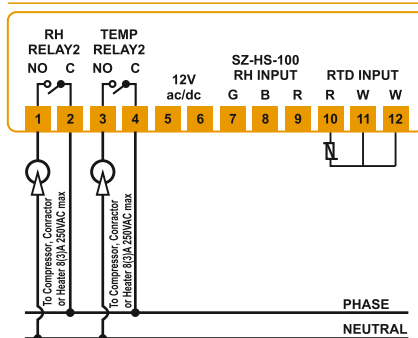
FEATURES	SZ-9912	SZ-9922	SZ-9932T
Display	7 Segment Display 3 X 14.2mm (0.56")	7 Segment Display 3 X 14.2mm (0.56")	7 Segment Display 3 X 11.5mm (0.45") - White 7 Segment Display 3 X 11.5mm (0.45") - Green
Power Supply	230Vac (External transformer with Secondary 12V)	230Vac (External transformer with Secondary 12V)	230Vac Standard
Probe Input	Thermostat (PT-100) RH Sensor (SZ-HS-220)	Thermostat (PT-100) RH Sensor (SZ-HS-100)	NTC Thermostat (PT-100) RH Sensor (SZ-HS-100/SZ-HS-220/4-20mA)
Measuring Range	Temperature : 0.0°C to +99.0°C Humidity : 30% to 90%	Temperature : 0.0°C to +99.0°C Humidity : 0% to 100%	Temperature : -10.0°C to +99.0°C SZ-HS-220 : 30.0% to 90.0% SZ-HS-100/4-20mA : 0.0% to 100%
Resolution	Temperature : 0.1°C Humidity : 1%	Temperature : 0.1°C Humidity : 1%	Temperature : 0.1°C / 1°C Humidity : 0.1% / 1%
Relay Output	Compressor : 8(3)A Humidifier / Dehumidifier : 10(1)A, 250Vac	Compressor : 8(3)A Humidifier / Dehumidifier : 10(1)A, 250Vac	Compressor : 8(3)A Humidifier / Dehumidifier : 8(3)A, 250Vac
Size	75 x 34.5mm	75 x 34.5mm	78 x 36mm
Mounting Type	Panel Mount	Panel Mount	Panel Mount
Panel Cutout	71 x 29mm	71 x 29mm	71 x 29mm
Application	Humidification & Dehumidification Systems		-

Connection Diagram

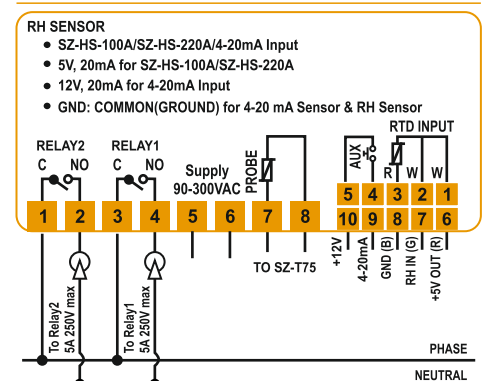
SZ-9912



SZ-9922



SZ-9932T



Controlled cooling, always

HUMIDIFIER



FEATURES	Humidifier
Particle Size	5 ~ 10 Microns
Power Supply	Single Phase : 230VAC/50Hz
Operating Temperature	1 ~ 50°C
Humidification Capacity	6 ~ 8 Ltrs/hr
Power Input	90 W
Water Connection	0.5 Inch (< 5 Kg/CM ²)
Area Coverage	600 ~ 800 sqft
Dimensions	370 x 370 x 690mm
Weight	9 kgs (dry)
Application	Food / Medical Packaging houses, Warehouses, Timber Industries, Tea / Tobacco Industries, Curing Processes, Horticulture ect, Textiles Industries, Propagation Rooms, Cold Storage Rooms, Nurseries, Greenhouses, Mushroom Cultivation Rooms

ONE COMPRESSOR COLD ROOM CONTROLLER

- SZ-CRC-1100A** Freezer / Cold Room Controller, Panel Mount
- CRC-1200** Cold Room Controller, Wall Mount
- CRC-1023** Cold Room Controller with 20A Relay, Wall Mount



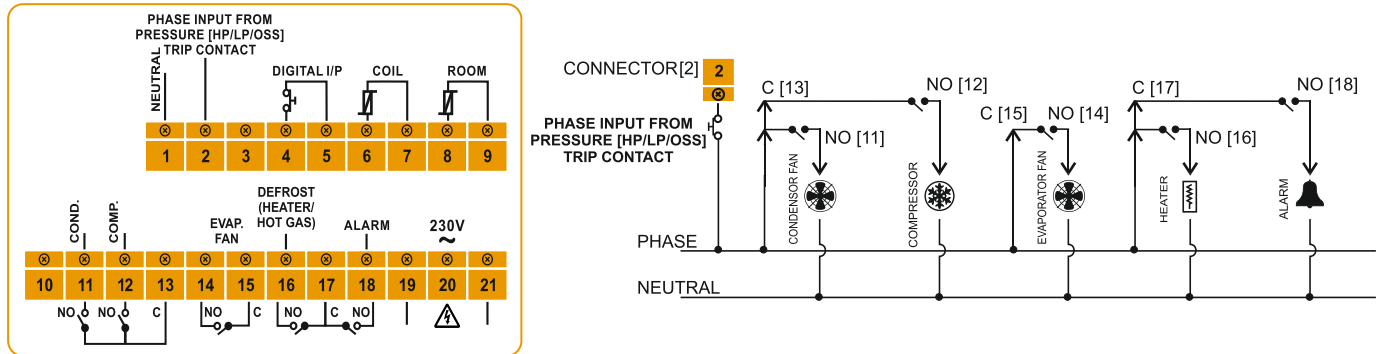
FEATURES	SZ-CRC-1100A	CRC-1200	CRC-1023
Display	7 Segment LED Display, 2 x 14.2mm (0.56") + 16 x 2 LCD	7 Segment LED Display, 2 x 25.4mm (1") + 16 x 2 LCD	Dot Matrix LED Display 3 x 14.2mm (0.56")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC
Digital Input	HP/LP/OSS (Potential) Door Input (Potential Free)	HP/LP/SPPR (Potential) Door Input (Potential Free)	HP/LP/AUX (Potential) Door Input (Potential Free)
Temperature Range	-50°C to +50°C	-50°C to +35°C	-50.0°C to +50.0°C
Temperature Resolution	1°C	1°C	0.1°C
Relay Output	Compressor : 8(2)A Defrost : 8(2)A Condenser : 8(3)A Evaporator : 8(2)A	Compressor : 8(3)A Defrost : 8(3)A Condenser : 8(3)A Evaporator : 8(3)A LSV : 8(3)A Light : 8(3)A	Compressor : 20A Defrost : 20A Evaporator : 10(3)A Light : 5A
Alarm Output	Alarm 5A	Alarm 8(3)A & Internal Buzzer	Alarm 8(3)A & Internal Buzzer
Serial Output	-	RS-485	-
Size	96 x 96mm	200 x 227mm	200 x 227mm
Mounting Type	Panel Mount	Wall Mount	Wall Mount
Panel Cutout	92 x 92mm	-	-
Application	Freezer, Cold Room	Cold Room	Cold Room



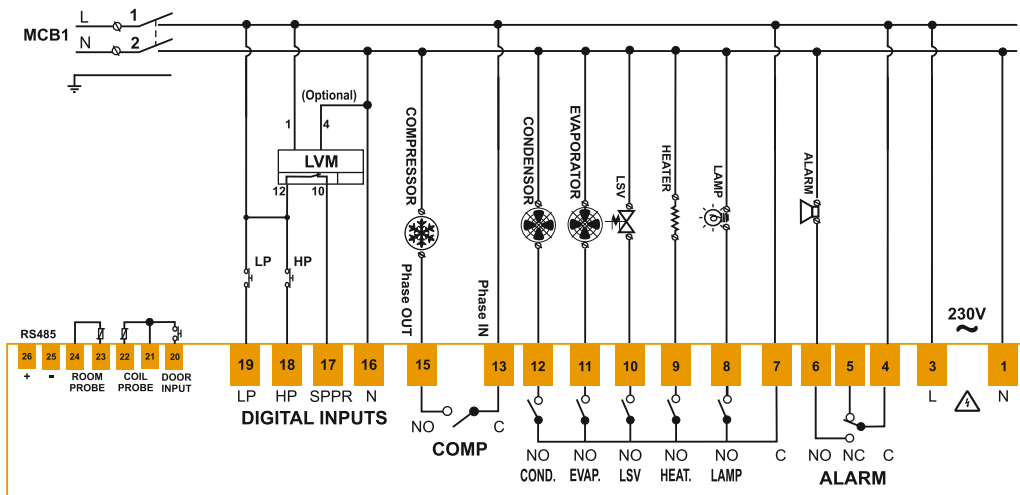
ONE COMPRESSOR COLD ROOM CONTROLLER

Connection Diagram

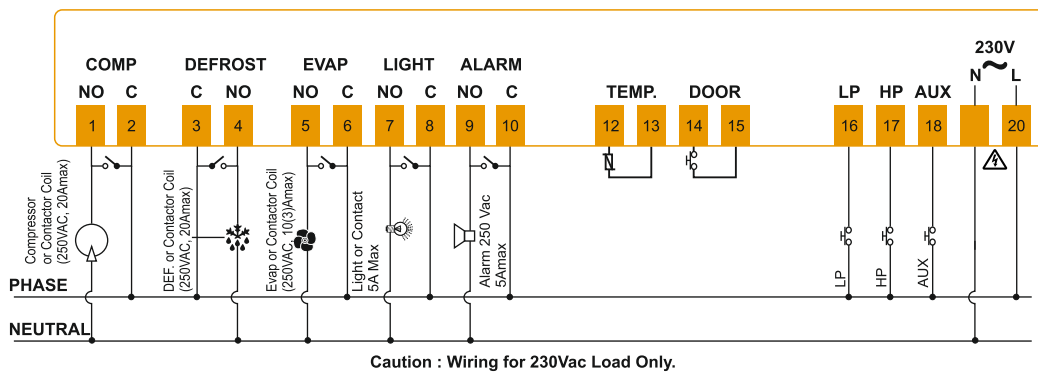
SZ-CRC-1100A



CRC-1200



CRC-1023



Caution : Wiring for 230Vac Load Only.

TWO COMPRESSOR COLD ROOM CONTROLLER

- SZ-CR2** Positive Medium Temp. Cold Room Controller
- SZ-CR2-C** Positive Medium Temp. Cold Room Controller with RS-485
- SZ-CR2-RH** Positive Medium Temp. Cold Room Controller with RH
- CRC-1220** Split Type Twin Circuit Cold Room Controller



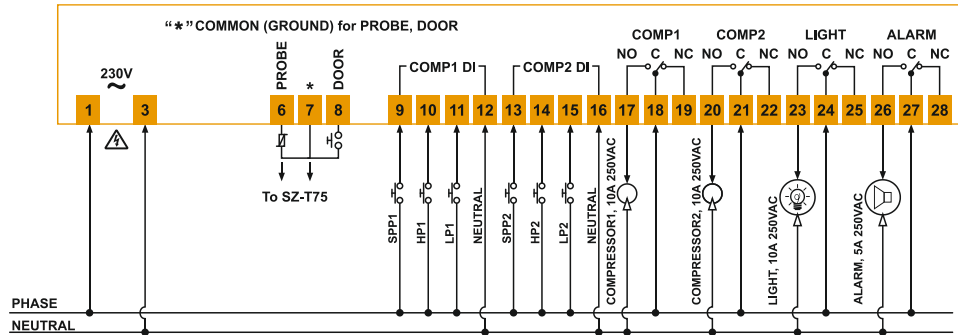
FEATURES	SZ-CR2	SZ-CR2-C	SZ-CR2-RH	CRC-1220
Display	7 Segment Display, 3 x 33mm (1.3")	7 Segment Display, 3 x 33mm (1.3")	7 Segment Display, 2 x 25.4mm (1") + 7 Segment Display, 2 x 14.2mm (0.56")	7 Segment LED Display, 2 x 25.4mm (1") + 16 x 2 LCD
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC, RH (4-20mA)	NTC
Digital Input	HP1, LP1, SPP1, HP2, LP2, SPP2 (Potential) Door Input (Potential Free)	HP1, LP1, SPP1, HP2, LP2, SPP2 (Potential) Door Input (Potential Free)	HP1/SPP1, LP1, HP2/SPP2, LP2 (Potential)	HP1, LP1, SPP1, HP2, LP2, SPP2 (Potential) Door Input (Potential Free)
Temperature Range	-45.0°C to +70.0°C -49°F to +158°F	-45.0°C to +70.0°C -49°F to +158°F	-45°C to +35°C -49°F to +99°F	-45.0°C to +35.0°C
Humidity Range	-	-	0% to 99%	-
Temperature Resolution	0.1°C / 1°C / 1°F	0.1°C / 1°C / 1°F	1°C / 1°F / 1%	0.1°C
Relay Output	Compressor1 : 10A Compressor2 : 10A Light : 10A	Compressor1 : 10A Compressor2 : 10A Light : 10A	Compressor1 : 5A Compressor2 : 5A Light : 5A Humidifier/Dehumidifier 5A	Compressor1 : 8(2)A Compressor2 : 8(2)A Defrost1 : 8(2)A Defrost2 : 8(2)A Condenser1 : 8(2)A Condenser2 : 8(2)A Evaporator1 : 8(2)A Evaporator2 : 8(2)A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A
Alarm Output	Alarm 5A	Alarm 5A	Alarm 5A	Alarm 5A & Internal Buzzer
Serial Output	-	RS-485	-	RS-485
Size	210 x 160mm	210 x 160mm	210 x 160mm	210 x 160mm
Mounting Type	Wall Mount	Wall Mount	Wall Mount	Wall Mount
Application	Cold Room	Cold Room	Cold Room	Low & Medium Temperature Cold Room



TWO COMPRESSOR COLD ROOM CONTROLLER

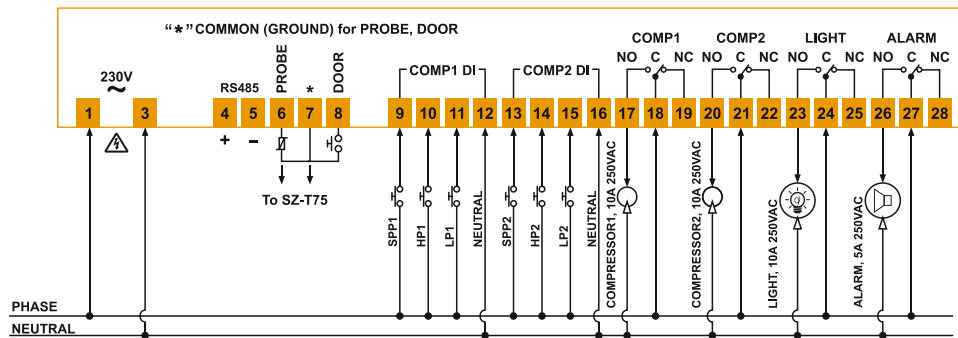
Connection Diagram

SZ-CR2



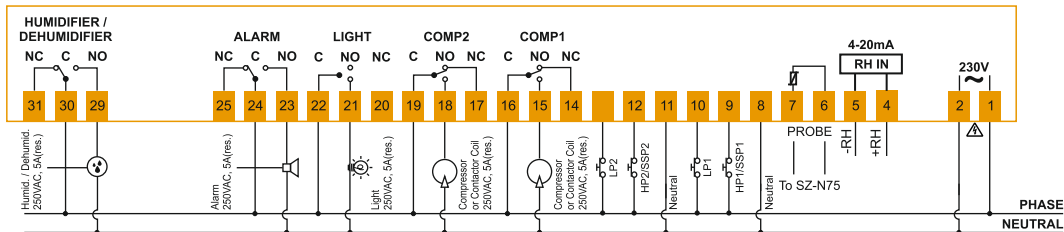
Caution : Wiring for 230Vac Loads Only.

SZ-CR2-C



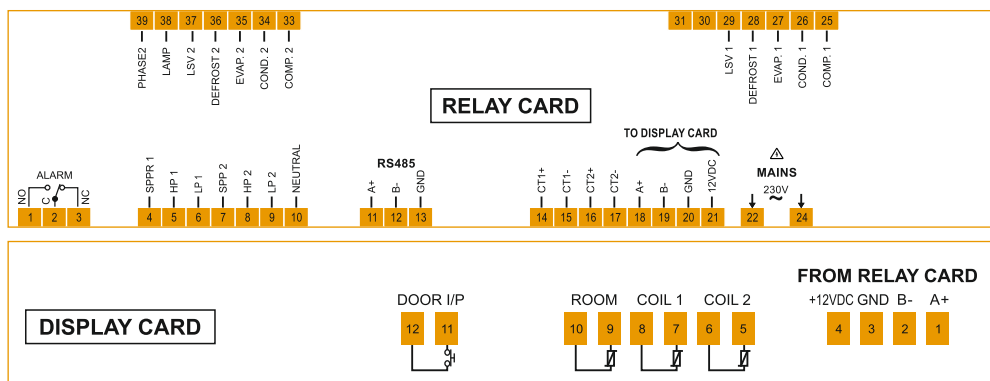
Caution : Wiring for 230Vac Loads Only.

SZ-CR2-RH



Caution : Wiring for 230Vac Loads Only.

CRC-1220



FLAME PROOF ENCLOSURE

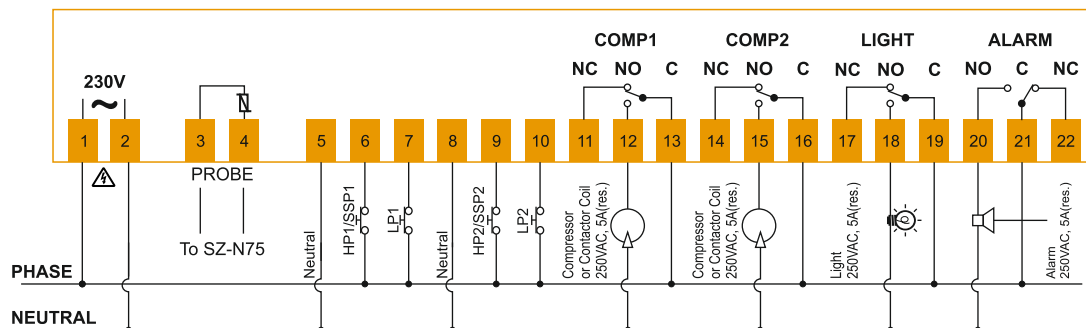
SZ-CR2-FP

Two Compressor Controller with Flame Proof Housing



FEATURES	SZ-CR2-FP
Display	7 Segment Display, 2 x 25.4mm (1")
Power Supply	230Vac Standard
Probe Input	NTC
Digital Input	HP1/SPP1, LP1, HP2/SPP2, LP2 (Potential)
Temperature Range	-45°C to +35°C -49°F to +95°F
Temperature Resolution	1°C / 1°F
Relay Output	Compressor1 : 5A Compressor2 : 5A Light : 5A
Alarm Output	Alarm 5A
Mounting Type	Wall Mount
Application	Cold Room

Connection Diagram



Caution : Wiring for 230Vac Loads Only.



Controlled cooling, always

WALL MOUNT COLD ROOM CONTROLLER

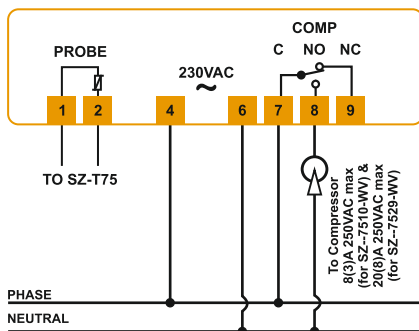
SZ-7510-WV	Controller with 8A Relay
SZ-7511-WV	Controller with Light Output
SZ-7529-WV	Time Based Defrost Controller
SZ-7524-WV	Freezer Controller



FEATURES	SZ-7510-WV	SZ-7511-WV	SZ-7529-WV	SZ-7524-WV
Display	7 Segment LED Display, 3 x 14.2mm (0.56")	7 Segment LED Display, 3 x 14.2mm (0.56")	7 Segment LED Display, 3 x 14.2mm (0.56")	7 Segment LED Display, 3 x 14.2mm (0.56")
Power Supply	230Vac Standard	230Vac Standard	230Vac Standard	230Vac Standard
Probe Input	NTC	NTC	NTC	NTC
Temperature Range	-40°C to +99°C -40.0°C to +50.0°C	-40°C to +99°C -40.0°C to +50.0°C	-40.0°C to +50.0°C	-40.0°C to +50.0°C
Temperature Resolution	0.1°C / 1°C	0.1°C / 1°C	0.1°C	0.1°C / 1°C
Relay Output	Compressor : 8(3)A	Compressor : 8(3)A Light : 5A	Compressor : 20A	Compressor : 8(3)A Defrost : 8(3)A Fan : 8(3)A
Alarm Output	-	-	-	External Buzzer
Size	80 x126mm	80 x126mm	80 x126mm	80 x126mm
Mounting Type	Wall Mount	Wall Mount	Wall Mount	Wall Mount
Application	Cold Room, Steam Bath System	Cold Room	Cold Room	Freezer, Cold Room

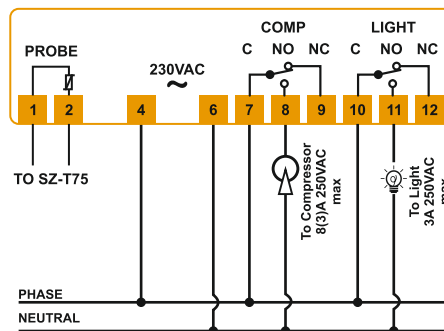
Connection Diagram

SZ-7510-WV / SZ-7529-WV



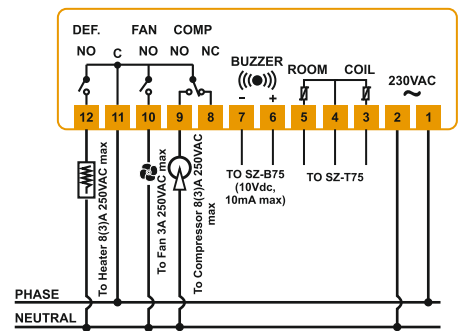
Caution: Wiring for 230Vac load only

SZ-7511-WV



Caution: Wiring for 230Vac load only

SZ-7524-WV



Caution: Wiring for 230Vac load only

SINGLE COMPRESSOR COLD ROOM ELECTRICAL PANEL

CRC-2070

Medium Temperature Electrical Cold Room Panel, Dual Line Display

CRC-2072

Low Temperature Electrical Cold Room Panel with Wi-Fi, HACCP, Data Logging, Real Time Clock



	CRC-2070	CRC-2072
Display	14 Segment Display 4 X 32mm (1.26") Amber + 7 Segment Display 4 X 13mm (0.51") Green	14 Segment Display 4 X 32mm (1.26") Amber + 7 Segment Display 4 X 13mm (0.51") Green
Power Supply	440V ±10% 50-60Hz	440V ±10% 50-60Hz
Load Type	Three Phase	Three Phase
Probe Input	2 NTC: Room, Evap	5 NTC: Room, Evap1, Evap2 (Optional), HACCP, AUX
Analog Input	3 CTs (0.0 to 20.0A): Comp R Phase, Comp Y Phase, Comp B Phase	5 CTs (0.0 to 20.0A): Comp R Phase, Comp Y Phase, Comp B Phase, Evap1, Evap2 (Optional)
Digital Input	HP, LP, SPPR, AUX1, AUX2, R-Phase, Y-Phase, B-Phase (Potential) Door Input (Potential Free)	HP, LP, SPPR, AUX1, AUX2, R-Phase, Y-Phase, B-Phase (Potential) Door Input (Potential Free)
Temperature Range	-50.0°C to +50.0°C	-50.0°C to +50.0°C
Temperature Resolution	0.1°C / 1°C	0.1°C / 1°C
Current Resolution	0.1 A	0.1 A
Compressor Contactor	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Defrost1 Contactor	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Defrost2 Contactor^(optional)	-	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evap Fan1 Contactor	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Evap Fan2 Contactor^(optional)	-	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Relay Output	LSV: 10A Condenser : 20(8)A Light : 5A	LSV: 10A Condenser : 20(8)A Light : 5A
Alarm Output	Alarm 5A & Internal Buzzer	Alarm 5A & Internal Buzzer
Serial Output	RS-485 (for PC Connectivity)	RS-485 (2 Nos. for BMS & Remote Display)
WiFi	-	Parameter Setting via Web Server/IoT
Main Switch General Protection	4 Poles MCB	4 Poles MCB
LVM	4 Wire Voltage Monitoring & Protection	4 Wire Voltage Monitoring & Protection
Size	(H)400 x (W)300 x (D)135mm	(H)400 x (W)300 x (D)135mm
Mounting Type	Wall Mount	Wall Mount



SINGLE COMPRESSOR COLD ROOM ELECTRICAL PANEL

CRC-2020

Medium Temperature Electrical Cold Room Panel, Plastic Enclosure 7.5 to 10HP

CRC-2052

Low Temperature Electrical Cold Room Panel, Plastic Enclosure 7.5 to 10HP



	CRC-2020	CRC-2052
Display	4 Digit, 1" Dot Matrix Display + LED Indications	4 Digit, 1" Dot Matrix Display + LED Indications
Power Supply	440V ±10% 50-60Hz	440V ±10% 50-60Hz
Load Type	Three Phase	Three Phase
Probe Input	2 NTC: Room, Coil	2 NTC: Room, Coil
Analog Input	3 Cts (0.0 to 20.0A): Comp R Phase, Comp Y Phase, Comp B Phase	3 Cts (0.0 to 20.0A): Comp R Phase, Comp Y Phase, Comp B Phase
Digital Input	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential) Door Input (Potential Free)	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential) Door Input (Potential Free)
Temperature Range	-50.0°C to +50.0°C	-50°C to +35°C
Temperature Resolution	0.1°C	1°C
Current Resolution	0.1 A	0.1 A
Compressor Contactor	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Defrost Contactor	-	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Relay Output	Light : 5A	Condenser : 10A Light : 5A
Alarm Output	Alarm 5A & Internal Buzzer	Alarm 5A & Internal Buzzer
Serial Output	RS-485	RS-485
Main Switch General Protection	4 Poles MCB	4 Poles MCB
LVM	4 Wire Voltage Monitoring & Protection	4 Wire Voltage Monitoring & Protection
Size	(H)400 x (W)300 x (D)135mm	(H)400 x (W)300 x (D)135mm
Mounting Type	Wall Mount	Wall Mount
Application	Cold Room	

SINGLE COMPRESSOR COLD ROOM ELECTRICAL PANEL

CRC-202000S

Medium Temperature Electrical Cold Room Panel, Sheet Metal Enclosure 7.5 to 10HP

CRC-205200S

Low Temperature Electrical Cold Room Panel, Sheet Metal Enclosure 7.5 to 10HP



	CRC-202000S	CRC-205200S
Display	4 Digit, 1" Dot Matrix Display + LED Indications	4 Digit, 1" Dot Matrix Display + LED Indications
Power Supply	440V ±10% 50-60Hz	440V ±10% 50-60Hz
Load Type	Three Phase	Three Phase
Probe Input	2 NTC: Room, Coil	2 NTC: Room, Coil
Analog Input	3 Cts (0.0 to 20.0A): Comp R Phase, Comp Y Phase, Comp B Phase	3 Cts (0.0 to 20.0A): Comp R Phase, Comp Y Phase, Comp B Phase
Digital Input	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential) Door Input (Potential Free)	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential) Door Input (Potential Free)
Temperature Range	-50.0°C to +50.0°C	-50°C to +35°C
Temperature Resolution	0.1°C	1°C
Current Resolution	0.1 A	0.1 A
Compressor Contactor	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Defrost Contactor	-	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Relay Output	Light : 5A	Condenser : 10A Light : 5A
Alarm Output	Alarm 5A & Internal Buzzer	Alarm 5A & Internal Buzzer
Serial Output	RS-485	RS-485
Main Switch General Protection	4 Poles MCB	4 Poles MCB
LVM	4 Wire Voltage Monitoring & Protection	4 Wire Voltage Monitoring & Protection
Size	(H)450 x (W)400 x (D)200mm	(H)450 x (W)400 x (D)200mm
Mounting Type	Wall Mount	Wall Mount
Application	Cold Room	

* Higher Capacity Panel can be made on request.

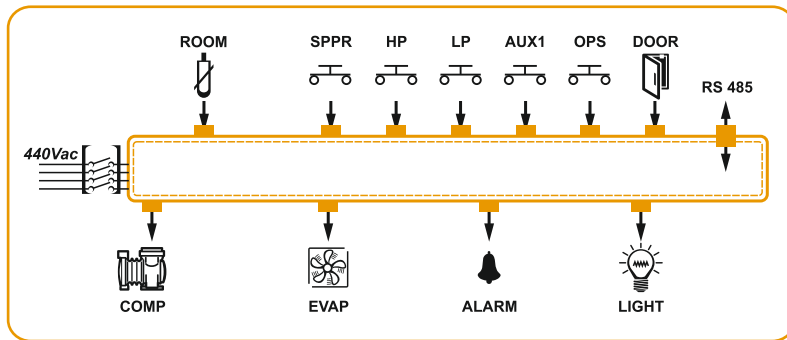


Controlled cooling, always

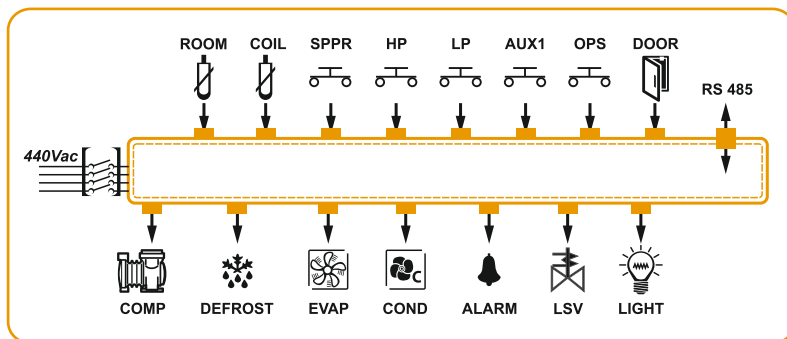
SINGLE COMPRESSOR COLD ROOM ELECTRICAL PANEL

Connection Diagram

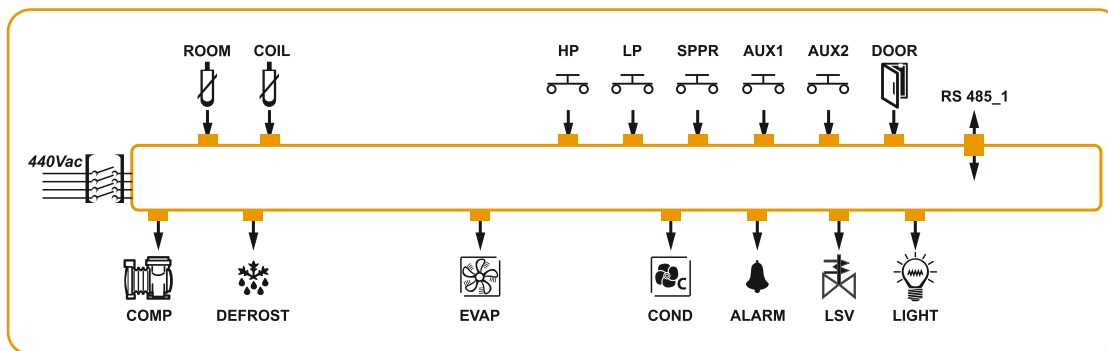
CRC-2020 / CRC-202000S



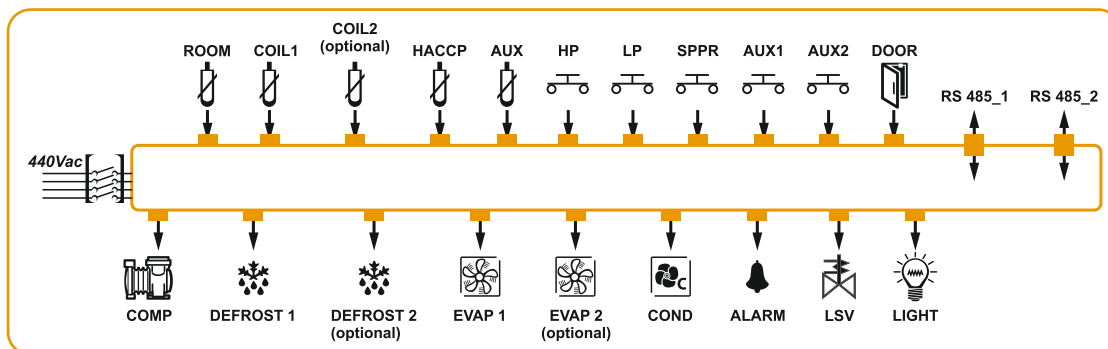
CRC-2052 / CRC-205200S



CRC-2070



CRC-2072



1 WORKING, 1 STAND BY, POSITIVE TEMPERATURE



	1W1SP-1VBXAZIX01	1W1SP-1VBXBZIX01	1W1SP-1VCXBZIX01
Display	7" Touch Screen HMI (Inbuilt)		
Power Supply	415V ±10% 50-60Hz		
Load Type	Three Phase		
Probe Input	NTC		
Analog Input	Current Sensing		
Digital Input	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential), Door Input (Potential Free)		
Temperature Range	-50.0°C to +50.0°C		
Temperature Resolution	0.1°C		
Compressor Contactor 1	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Compressor Contactor 2	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor 1	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Evaporator Fan Contactor 2	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Relay Output	Condenser Fan1 : 3A Condenser Fan2 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A	Condenser Fan1 : 3A Condenser Fan2 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A	Condenser Fan1 : 3A Condenser Fan2 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A
Alarm Output	Alarm 5A & Internal Buzzer		
Digital Output	Door Heater		
Serial Output	RS-485		
Main Switch Protection	4 Poles MCB		
LVM	4 Wire Voltage Monitoring & Protection		
Size & Weight	(H)700 x (W)800 x (D)200mm / 40Kg		
Mounting Type	Wall Mount		



1 WORKING, 1 STAND BY, POSITIVE TEMPERATURE



	1W1SP-1VBXAZIX01	1W1SP-1VBXBZIX01
Display	7" Touch Screen HMI (Inbuilt)	
Power Supply	415V ±10% 50-60Hz	
Load Type	Three Phase	
Probe Input	NTC	
Analog Input	Current Sensing	
Digital Input	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential), Door Input (Potential Free)	
Temperature Range	-50.0°C to +50.0°C	
Temperature Resolution	0.1°C	
Compressor Contactor 1	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 25A (230Vac Coil)
Compressor Contactor 2	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 25A (230Vac Coil)
Defrost Contactor 1	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Defrost Contactor 2	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor 1	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Evaporator Fan Contactor 2	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)
Relay Output	Condenser Fan1 : 3A Condenser Fan2 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A	Condenser Fan1 : 3A Condenser Fan2 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A
Alarm Output	Alarm 5A & Internal Buzzer	
Digital Output	Door Heater	
Serial Output	RS-485	
Main Switch Protection	4 Poles MCB	
LVM	4 Wire Voltage Monitoring & Protection	
Size & Weight	(H)700 × (W)800 × (D)200mm / 40Kg	
Mounting Type	Wall Mount	

2 WORKING, 1 STAND BY, POSITIVE TEMPERATURE



	2W1SP-1VBXAZIX01	2W1SP-1VBXBZIX01	2W1SP-1VCXBZIX01
Display	7" Touch Screen HMI (Inbuilt)		
Power Supply	415V ±10% 50-60Hz		
Load Type	Three Phase		
Probe Input	NTC		
Analog Input	Current Sensing		
Digital Input	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential), Door Input (Potential Free)		
Temperature Range	-50.0°C to +50.0°C		
Temperature Resolution	0.1°C		
Compressor Contactor 1	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 25A (230Vac Coil)
Compressor Contactor 2	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 25A (230Vac Coil)
Compressor Contactor 3	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 25A (230Vac Coil)
Evaporator Fan Contactor 1	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor 2	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor 3	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Relay Output	Condenser Fan1 : 3A Condenser Fan2 : 3A Condenser Fan3 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A	Condenser Fan1 : 3A Condenser Fan2 : 3A Condenser Fan3 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A	Condenser Fan1 : 3A Condenser Fan2 : 3A Condenser Fan3 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A
Alarm Output	Alarm 5A & Internal Buzzer		
Digital Output	Door Heater		
Serial Output	RS-485		
Main Switch Protection	4 Poles MCB		
LVM	4 Wire Voltage Monitoring & Protection		
Size & Weight	(H)700 x (W)800 x (D)200mm / 40Kg		
Mounting Type	Wall Mount		



2 WORKING, 1 STAND BY, NEGATIVE TEMPERATURE



	2W1SP-5WBBAZIX01	2W1SP-5WCBAZIX01
Display	7" Touch Screen HMI (Inbuilt)	
Power Supply	415V ±10% 50-60Hz	
Load Type	Three Phase	
Probe Input	NTC	
Analog Input	Current Sensing	
Digital Input	HP, LP, SPPR, AUX / CTH, OPS, R-Phase, Y-Phase, B-Phase (Potential), Door Input (Potential Free)	
Temperature Range	-50.0°C to +50.0°C	
Temperature Resolution	0.1°C	
Compressor Contactor 1	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Compressor Contactor 2	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Compressor Contactor 3	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor 1	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor 2	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Evaporator Fan Contactor 3	3 Pole + 1 Aux, 400 V, 9A (230Vac Coil)	3 Pole + 1 Aux, 400 V, 18A (230Vac Coil)
Relay Output	Condenser Fan1 : 3A Condenser Fan2 : 3A Condenser Fan3 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A	Condenser Fan1 : 3A Condenser Fan2 : 3A Condenser Fan3 : 3A LSV1 : 8(2)A LSV2 : 8(2)A Light : 5A
Alarm Output	Alarm 5A & Internal Buzzer	
Digital Output	Door Heater	
Serial Output	RS-485	
Main Switch Protection	4 Poles MCB	
LVM	4 Wire Voltage Monitoring & Protection	
Size & Weight	(H)700 × (W)800 × (D)200mm / 40Kg	
Mounting Type	Wall Mount	

PROTECTION & ALARM DEVICES

SZ-VMRC-3000AA-P
SZ-VMRC-3000BC-T

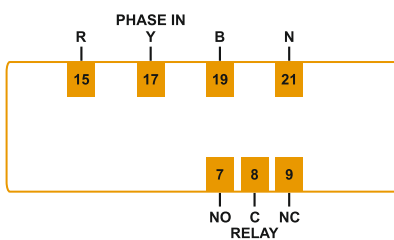
Three Phase Voltage Monitor
Three Phase Voltage Monitor with Communication



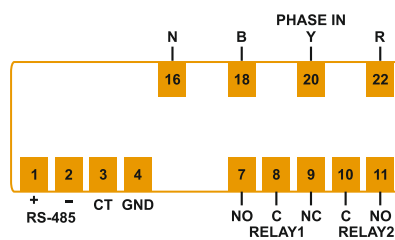
FEATURES	SZ-VMRC-3000AA-P	SZ-VMRC-3000BC-T
Display	7 Segment Display, 3 X 14.2mm (0.56")	7 Segment Display, 3 X 14.2mm (0.56")
Input	R Phase , Neutral	R Phase , Neutral
Voltage Monitoring	Yes	Yes
UV & OV Detection	Yes	Yes
Settable UV & OV Parameter	Yes	Yes
Phase Sequence Monitoring	Yes	Yes
Phase Loos & Phase Unbalance detection	Yes	Yes
Alarm Output	Alarm 5A	Alarm 5A
Serial Output	-	RS-485
Size	70 x 110mm	60 x 70mm
Mounting Type	Dinrail Mount	Dinrail Mount
Application	Under Voltage & Over Voltage Detection	

Connection Diagram

SZ-VMRC-3000AA-P



SZ-VMRC-3000BC-T



Controlled cooling, always

PROTECTION & ALARM DEVICES

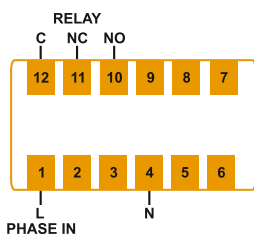
SZ-VMRC-1000AB-P	Single Phase Voltage Monitor
SZ-VMRC-3000AB-P	Three Phase Voltage Monitor
SZ-VMRC-3020AB-P	Three Phase Voltage Monitor with 20A CT
SZ-VMRC-3050AB-P	Three Phase Voltage Monitor with 50A CT



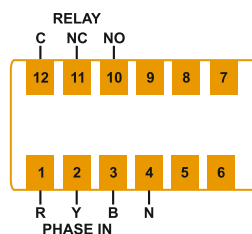
FEATURES	SZ-VMRC-1000AB-P	SZ-VMRC-3000AB-P	SZ-VMRC-3020AB-P	SZ-VMRC-3050AB-P
Display	7 Segment Display, 3 X 14.2mm (0.56")	7 Segment Display, 3 X 14.2mm (0.56")	7 Segment Display, 3 X 14.2mm (0.56")	7 Segment Display, 3 X 14.2mm (0.56")
Input	R Phase , Neutral	R Phase , Neutral	R Phase , Neutral input & 3 CT Board 20 Amp	R Phase , Neutral input & 3 CT Board 50 Amp
Voltage Monitoring	Yes	Yes	Yes	Yes
UV & OV Detection	Yes	Yes	Yes	Yes
Settable UV & OV Parameter	-	Yes	Yes	Yes
Phase Sequence Monitoring	Yes	Yes	Yes	Yes
Phase Loos & Phase Unbalance detection	-	Yes	Yes	Yes
Alarm Output	Alarm 5A	Alarm 5A	Alarm 5A	Alarm 5A
Size	60 x 70mm	60 x 70mm	60 x 70mm	60 x 70mm
Mounting Type	Dinrail Mount	Dinrail Mount	Dinrail Mount	Dinrail Mount
Application	Under Voltage & Over Voltage Detection			

Connection Diagram

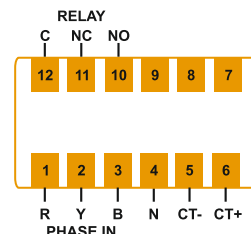
SZ-VMRC-1000AB-P



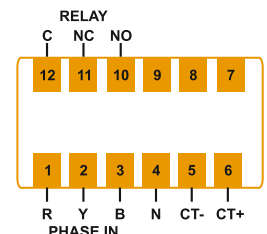
SZ-VMRC-3000AB-P



SZ-VMRC-3020AA-P



SZ-VMRC-3050AA-P



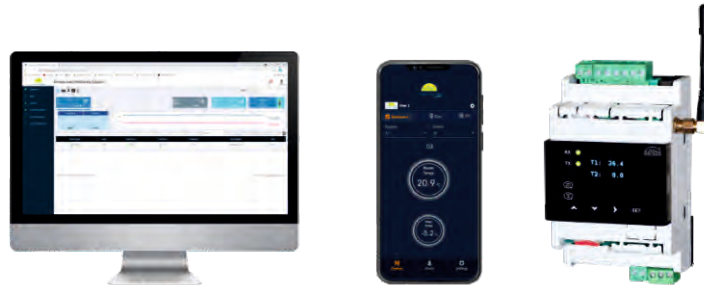
DATALOGGERS



FEATURES	SZ-40001	SZ-40005	SZ-40010	SZ-40015
Display	4.3" TFT LCD		7" TFT LCD	
Resolution	480x272		800x480	
Colors	24-bit Colors			
Backlight	LED			
Touch Panel	4 wires resistive touch screen (Surface Hardness 4H)			
Power Supply	24VDC		230Vac	
Sensor Type	8 x PT-100	4 x PT-100	12 x NTC	16 x NTC
Temperature Range	-200.0°C to +600.0°C		-40.0°C to +90.0°C	
Relay Output	Relay1: 5A Relay2: 5A		-	
Ethernet	-		10M / 100M	
USB Port for Data Downloading	USB Host 2.0			
Data Logs Records	30 Days :Interval above 5min			
COM Port	COM: RS232/RS485		COM1/COM3: RS232/RS485	
Housing Material	ABS Plastic			
Size	160x160x80mm		300x250x150mm	
Mounting Type	Panel Mount		Wall Mount	
Panel Cut Out	144x144mm		-	
Application	Data Recording & Analysing, Cold Room, Pharma Applications			



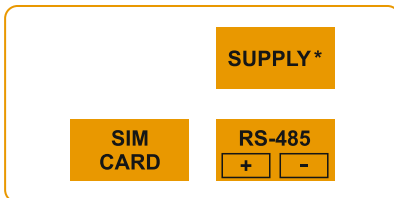
IoT SOLUTIONS



SZ-IOT2122-000	
Display	OLED Display (optional)
Power Supply	110 – 300 Vac, 50-60Hz , Single Phase
Connectivity Type	GSM modem 2G network
Communication Protocol	MQTT
Data Log Interval	Minimum 5 mins
Data Storage	All data will be saved on AWS CLOUD for last 6 months. After 6months FIFO will be applied
Size	70 x 110mm
Mounting Type	Dinrail Mount
Application	-

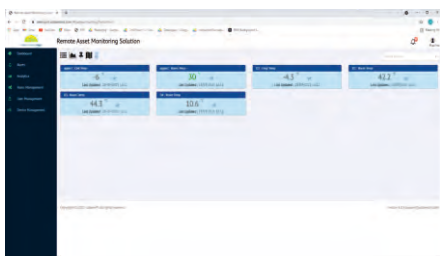
Connection Diagram

SZ-IOT2122-000



NOTE:

1. Supply* 5V (with external 230V to 5V SMPS)
2. V1 will have internal SMPS, so give Power Supply: 230V



PROBES & SENSORS

NTC

SZ-T75-1500 (1.5 Meters)	Thermistor - 10K @25°C, Beta Value - 3435K +/-1%, Metal Tube - 5x25, MOC - Brass Tube, Temperature Range: -50°C to 105°C
SZ-T75-3000 (3 Meters)	Thermistor - 10K @25°C, Beta Value - 3435K +/-1%, Metal Tube - 5x25, MOC - Brass Tube, Temperature Range: -50°C to 105°C
SZ-T75-5000 (5 Meters)	Thermistor - 10K @25°C, Beta Value - 3435K +/-1%, Metal Tube - 5x25, MOC - Brass Tube, Temperature Range: -50°C to 105°C
SZ-NT75T-1500 (Rubber Sensor 1.5 Meters)	Thermistor - 10K @25°C, Beta Value - 3435K +/-1%, Metal Tube - 5x25, MOC - Brass Tube, Temperature Range: -50°C to 105°C



Humidity

SZ-HS-100	Housing - ABS Plastic, FR Grade, Accuracy (Best Fit Straight Line) - +/-3.5%, Settling Time - 70 ms max., Lead Wire - PVC Cable, Wire Colour - Black, Wire Specification - Red : VCC (4 - 5.8 Vdc), Black : GND, Green : RH IN Measuring Range Temperature: -40°C to 85°C Measuring Range Humidity: 0% to 100%
SZ-HS-220	Housing - ABS Plastic, FR Grade, Accuracy (Best Fit Straight Line) - +/-5%, Settling Time - 70 ms max., Lead Wire - PVC Cable, Wire Colour - Black, Wire Specification - Red : VCC (4 - 5.8 Vdc), Black : GND, Green : RH IN Measuring Range Temperature: -20°C to 85°C Measuring Range Humidity: 30% to 90%



PROBES & SENSORS

RTD

PT-100

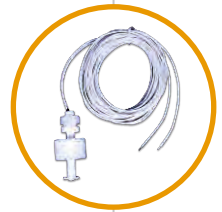
Type of RTD - 3 Core SS tube with PTFE cable, Sheath - 6 mm OD SS 316 with Tapered spring, Length - 4", Extension Cable - 3 Core(2 White + 1 Red wire), End Connection & Cable - PTFE Insulated & PTFE Jacketed with Lugs, Extension Cable Length - 2 meters, Temperature Range: -100°C to +400°C



LIQUID LEVEL / FLOAT

SZ-SW-RD-3000 (3 meters)

Housing - PP Colour : White, Cable - UL 1007, AWG 24, 4 mm Stripped and tinned Colour: White, Nuts - PA66, M8, 1 pc preassembled Colour: White, Float - PP Foam Colour: White, Potting - PU / Epoxy Colour: Black, Sealing Ring - Silicon Colour: White, Contact Form - 10 W/ VA, Contact Rating Max. - 200 VDC, 140 VAC, Carry Current Max. - 1.2 A, Breakdown Voltage Min. - 240 VDC, Total Resistance Max. - 280 mΩ, Density of Float Type - 0.7 g / cm³, Recommended Minimum Gravity of Medium - Density of Float +20% g / cm³, Operating Temperature: -20°C to +80°C



PROBES & SENSORS

WATER FLOW SENSOR

SZ-WFS-12 (1/2") Flow Range: 0.5 - 25L /Min,
Max Pressure: 1.75MPa,
Connection: G1/2"



SZ-WFS-20 (3/4") Flow Range: 2 - 60L /Min,
Max Pressure: 1.75MPa,
Connection: G3/4"



SZ-WFS-25 (1") Flow Range: 2 - 60L /Min,
Max Pressure: 2.0MPa,
Connection: G1"



SZ-WFS-32 (1.1/4") Flow Range: 2 - 120L /Min,
Max Pressure: 2.0MPa,
Connection: G1.1/4"



SZ-WFS-40 (1.5") Flow Range: 5 - 200L /Min,
Max Pressure: 2.0MPa,
Connection: G1.5"



SZ-WFS-50 (2") Flow Range: 10 - 300L /Min,
Max Pressure: 2.0MPa,
Connection: G2"



PROBES & SENSORS

WATER FLOW SWITCH

WFS-25-P/S

Pipe Connection -3/4" to 6", Materials of construction - SS304 (CF8), Phosphor Bronze, Mild Steel, Plastic, Brass, Maximum Operating Pressure - 10 bar (150PSI), Set point Adjustment - Screw under cover, Ambient Temperature Limits - 0°C to 60°C, Flow Rates - Chart provided gives flow rates in m3h, Lpm and US Gpm. Bellow Life - 5,00,000 cycles, Switch Action - SPDT, Snap-acting., Electrical Ratings - Upto to 250VAC, 15(7.5) A, 50/60 Hz



WFS-12/25-T

Pipe Connection -3/4" to 6", Materials of construction - SS304 (CF8), Phosphor Bronze, Mild Steel, Plastic, Brass, Maximum Operating Pressure - 10 bar (150PSI), Set point Adjustment - Screw under cover, Ambient Temperature Limits - 0°C to 60°C, Flow Rates - Chart provided gives flow rates in m3h, Lpm and US Gpm. Bellow Life - 5,00,000 cycles, Switch Action - SPDT, Snap-acting., Electrical Ratings - Upto to 250VAC, 15(7.5) A, 50/60 Hz



BSP SENSOR

SZ-N75-BSP-30-1500 (1.5 meters)

Thermistor: 10k Ω @25°C
Beta Value: 3435K +/-1%



SZ-N75-BSP-40-1500 (1.5 meters)

Thermistor: 10k Ω @25°C
Beta Value: 3435K +/-1%



OTHER ACCESSORIES

ADAPTOR PLATE

SZ-ADP-PLT-P

Adaptor Plate-P (Button)
Housing: ABS Plastic, Size: W=184mm X H=42mm X D=25mm,
Mounting Type: Panel Mount, Panel Cutout: 75x30mm



SZ-ADP-PLT-T

Adaptor Plate-T (Touch)
Housing: ABS Plastic, Size: W=184mm X H=42mm X D=25mm,
Mounting Type: Panel Mount, Panel Cutout: 75x30mm



BACKLID

HSG1560-BC-T

Backlid T Series,
Housing: ABS Plastic, Size: W=30mm X H=20mm



HSG1560-BC-K

Backlid P Series,
Housing: ABS Plastic, Size: W=30mm X H=24mm



PROKEY

SZ-PK-2000

Compact Size, Effortless / Simple programming, Uploading & downloading parameters, Memory: 32kb, Size: 16.2 x 40.5 x 8.7mm



OTHER ACCESSORIES

CURRENT TRANSFORMER (CT)

SZ-CT-420

20A Current Transformer, 4x20A CT,
Housing: Open DIN73, Accuracy: +/-1A,
Size: 73x80mm

SZ-CT-450

50A Current Transformer, 1x50A CT, 3x20A CT
Housing: Open DIN73, Accuracy: +/-1A,
Size: 73x80mm



Controlled cooling, always



DODIA ELECTRICALS

Address : 9/11, Picket 'X' Road, G.T. Building, Lohar Chawl, Mumbai - 400002.

Email id : sales@dodiaelectricals.com **Whats App / Contact :** +91 98338 24773

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