



GURUTRONICS

AUTOMATIONS PVT LTD

OUR PRODUCTS

- ✓ Process & HAVC Controllers
- ✓ Datalogger
- ✓ HMI/PLC Panel
- ✓ IOT Solutions
- ✓ CFR , Customized Software Solution

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INDEX

Content	Page No.
1. Temperature Controllers	1-9
2. Control Panels	10-11
3. Chiller Controllers	12-13
4. Data Loggers	14
5. Customized PLC/HMI Panels	15-16



Controllers



GT110



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller (Heating/Cooling)
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Power Supply : 230Vac Standard (+/- 10%)

Digital Output : Relay 10(5) A (Compressor)

Temperature Range : -50°C to +99°C

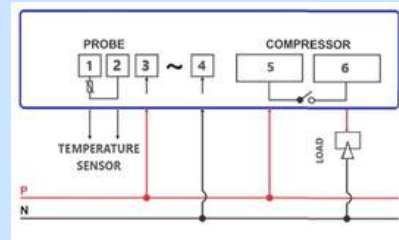
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in deep freezers, icecream cabinets, bakery cabinets, steam systems, chillers, etc.

Wire Diagram



GT 111



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller (Heating/Cooling)
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Power Supply : 230Vac Standard (+/- 10%)

Digital Output : Relay 30 (12) A (Compressor)

Temperature Range : -50°C to +99°C

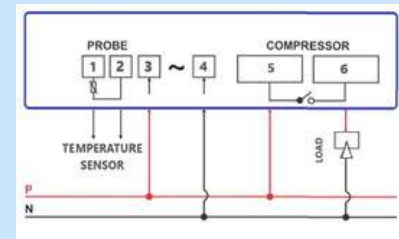
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in deep freezers, icecream cabinets, bakery cabinets, steam systems, chillers, etc.

Wire Diagram



Controllers



GT112



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller (Heating/Cooling)
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Audio Alarm
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Power Supply : 230Vac Standard (+/- 10%)

Digital Output : Relay 10 (5) A (Compressor)

Alarm Output : Audio Buzzer

Temperature Range : -50°C to +99°C

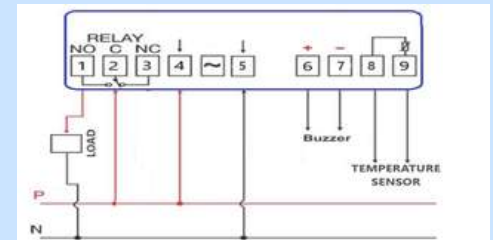
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate Freeze/Chiller Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in deep freezers, icecream cabinets, bakery cabinets, steam systems, chillers, etc.

Wire Diagram



GT 113



Website, Diagram,
Manual

FEATURES:

- ✓ Freezer Controller with Time based Defrost Cycle
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Power Supply : 230Vac Standard (+/- 10%)

Digital Output : Relay :30(12) A (Compressor)

Temperature Range : -50°C to +99°C

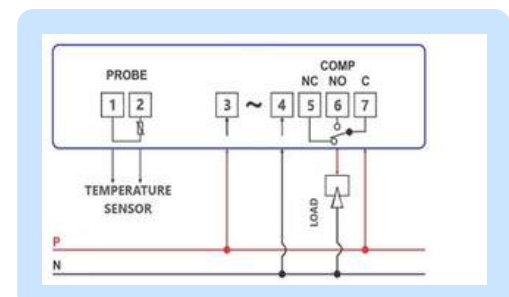
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application :To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in deep freezers, icecream cabinets, chillers, Lab Equipments, etc.

Wire Diagram



Controllers



GT114TX



Website, Diagram,
Manual

FEATURES:

- ✓ Freezer Controller with Defrost Cycle
- ✓ Auto/Manual Defrost
- ✓ Defrosting options based on time or temperature
- ✓ Communication Port RS485 (MODBUS protocol)
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor (Room) , NTC Sensor (Coil)

Power Supply : 230Vac Standard (+/- 10%)

Digital Output : Relay 10 (5) A (Compressor), Relay :10(5) A (Defrost), Relay :10(5) A (Evap)

Temperature Range : -50°C to +45°C

Communication Port : RS485

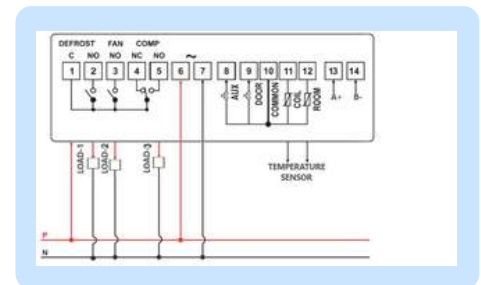
Size : 85 x 44 mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate Cold Rooms for ensuring accurate control of temperature and thus maintain appropriate temperature, used in Freezer Cold Rooms, Display Cabinets, Vaccine Chambers/ cabinets.

Wire Diagram



GT115



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller with Time based Defrost Cycle
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Power Supply : 230Vac Standard (+/- 10%)

Digital Output : Relay :30(12) A (Compressor)

Temperature Range : -50°C to +50°C

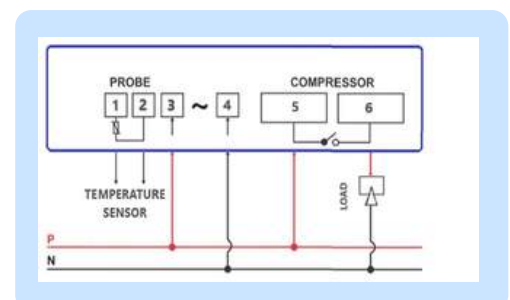
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application :To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in deep freezers, icecream cabinets, bakery cabinets, steam systems, chillers, Display cabinets in pharmaceutical companies etc.

Wire Diagram



Controllers



GT116



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller for 2 Compressors
- ✓ Operating logic for 1 Working + 1 Standby or 2 independent units
- ✓ Two Different set points & differentials
- ✓ Compressor Rotation for Load Balancing
- ✓ Activates second compressor if the first fails to reach temperature
- ✓ Startup delay implemented to prevent simultaneous compressor activation

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Output : Relay:10(5) A (Compressor 1), Relay :10(5) A (Compressor 2)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : '0°C to +50°C (Resolution - 0.1° C)

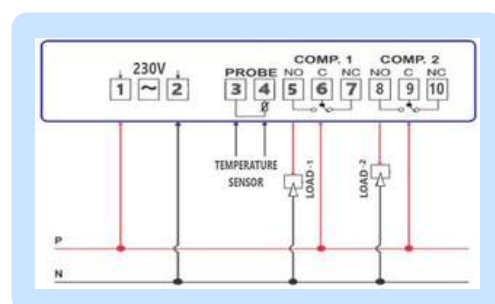
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate Cold Rooms for ensuring accurate control of temperature and thus maintain appropriate temperature, used in Freezer Cold Rooms, Display Cabinets, Vaccine Chambers/ cabinets.

Wire Diagram



GT117



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller for 2 Compressors
- ✓ Operating logic for 1 Working + 1 Standby or 2 independent units
- ✓ Two Different set points & differentials
- ✓ Compressor Rotation for Load Balancing
- ✓ Activates second compressor if the first fails to reach temperature
- ✓ Startup delay implemented to prevent simultaneous compressor activation

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Output : Relay :10(5) A (Compressor 1), Relay :10(5) A (Compressor 2)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : -50°C to +99°C (Resolution - 1° C)

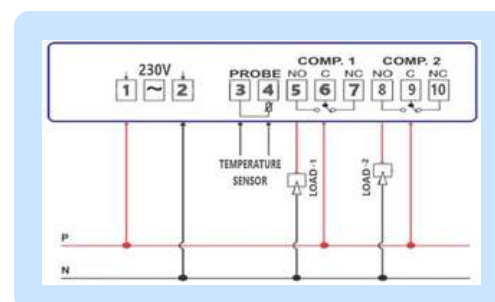
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate cold room Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in positive cold rooms for 2 units with 1 working and 1 standby or 2 independent units.

Wire Diagram



Controllers



GT118TX

FEATURES:

- ✓ Temperature Controller
- ✓ Battery Backup
- ✓ Alarm Output
- ✓ Communication Port - RS 485 (Modbus Protocol)
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off



Website, Diagram,
Manual

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Output : Relay :30(12) A (Compressor-1) / Alarm

Modbus : RS-485

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : '0°C to +99°C

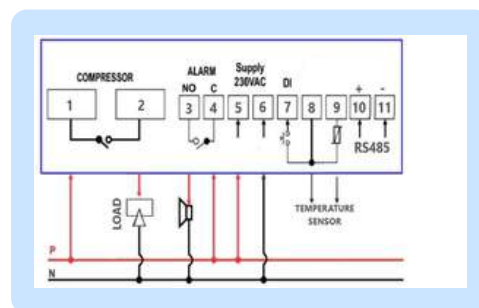
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate Chiller Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in Blood bank machine, display cabinets, Bakery cabinets, medicine storage, etc

Wire Diagram



GT120TX

FEATURES:

- ✓ Temperature Controller
- ✓ Alarm Output
- ✓ Communication Port - RS 485 (Modbus Protocol)
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off



Website, Diagram,
Manual

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Output : Relay :30(12) A (Compressor), Relay :5 A (Alarm)

Modbus : RS-485

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : -50°C to +99°C

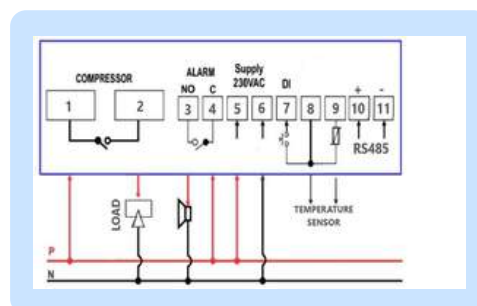
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : To automate Freezer/Chiller Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in Scientific Equipments, display cabinets, freezer etc.

Wire Diagram



Controllers



GT121



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller with Defrost/ Drain valve output
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Output : Relay :10(5) A (Compressor), Relay :10 A Drain Value/ Hot Gas/ FAN

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : '-50°C to +99°C

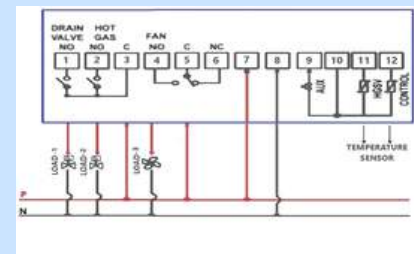
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : Automation of Air Dryers, small cold rooms, scientific equipments etc.

Wire Diagram



GT122



Website, Diagram,
Manual

FEATURES:

- ✓ Multi Purpose Controller with any 4-20 ma Transmitter
- ✓ Switch off relay at setpoint.
- ✓ Alarm output for High / Low
- ✓ Used to control Dehumidification / Humidification/Co2/Ethylene/etc

SPECIFICATION

Display : 5 Digit LED Display

Analog Inputs : Any Sensor 4-20ma (RH/CO2/Ethylene/Ammonia etc)

Digital Output : Relay :30(12) A , Relay :10 A (Alarm)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : -50°C to +99°C

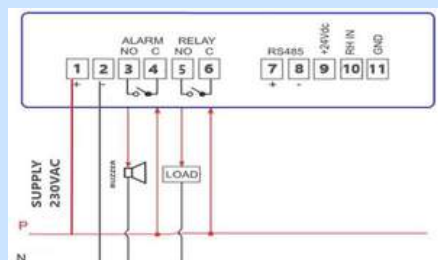
Size : 85 x 38mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : For Controlling and Monitoring Humidity/Co2/Ethylene.

Wire Diagram



Controllers



GT110WVTX



Website, Diagram,
Manual

FEATURES:

- ✓ Wall Mounted Temperature Controller (Heating/Cooling)
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Output : Relay :10(5) A (Compressor)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : '-50°C to +99°C

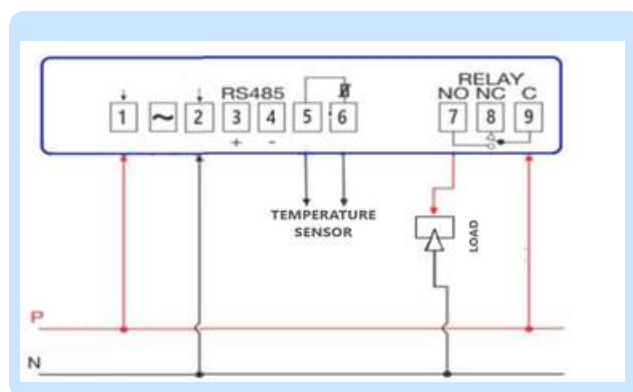
Size : 120 x 95mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Surface Mount

Application : To automate Freeze/Chiller Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in deep freezers, icecream cabinets, bakery cabinets, steam systems, chillers, etc.

Wire Diagram



GT114WVTX



Website, Diagram,
Manual

FEATURES:

- ✓ Wall Mounted Freezer Controller with Defrost Cycle
- ✓ Time delay for Compressor protection
- ✓ Auto/Manual Defrost
- ✓ Defrosting options based on time or temperature
- ✓ Communication Port RS485 (MODBUS protocol)
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

SPECIFICATION

Display : 5 Digit LED Display

Analog Inputs : NTC Sensor (Room), NTC Sensor (Coil)

Digital Output : Relay :10(5) A (Compressor), Relay :10(5) A (Defrost) ,Relay :10(5) A (Evap)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : '-50°C to +45°C

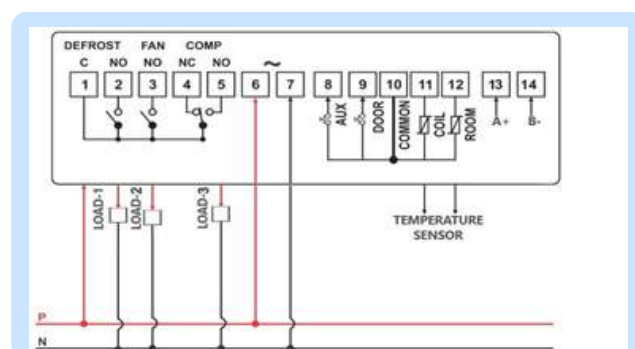
Size : 120 x 95mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Surface Mount

Application : To automate Cold Rooms for ensuring accurate control of temperature and thus maintain appropriate temperature, used in Freezer Cold Rooms, Display Cabinets, Vaccine Chambers/ cabinets.

Wire Diagram



Controllers



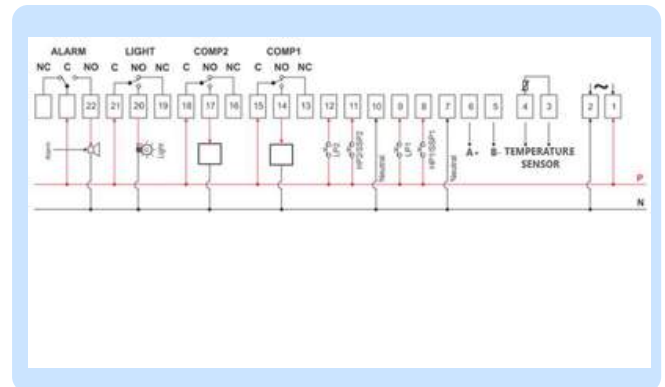
Website, Diagram,
Manual

GT200P TX

FEATURES:

- ✓ Positive Temperature Controller for 2 Compressors
- ✓ Operating logic for 1 Working + 1 Standby or 2 independent units
- ✓ Two Different set points & differentials
- ✓ Compressor Rotation for Load Balancing with run hour equalization
- ✓ Activates second compressor if the first fails to reach temperature
- ✓ Startup delay implemented to prevent simultaneous compressor activation
- ✓ Alarm & Light outputs
- ✓ Communication Port RS485 (MODBUS protocol)

Wire Diagram



SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor, CT (upto 50 A)

Digital Inputs : HP1/LP1/HP2/LP2/SPPR/Door

Digital Output : Relay :10(5) A (Compressor-1), Relay :10(5) A (Compressor-2) A (Light), Relay :5 A (Alarm)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : '0°C to +50°C

Size : 210 x 155mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Wall Mounting.

Application : To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used in cold room where two unit are there.



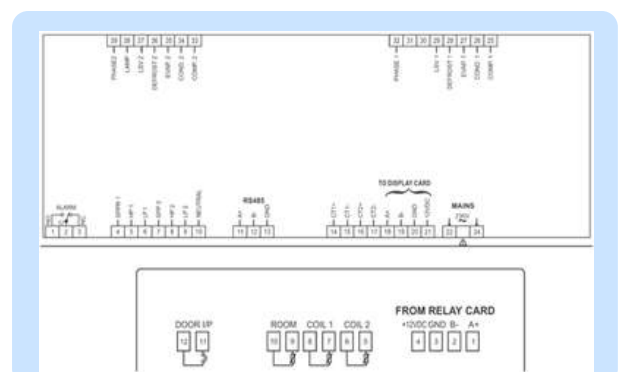
Website, Diagram,
Manual

GT200N TX

FEATURES:

- ✓ Negative Temperature Controller for 2 Compressors
- ✓ Operating logic for 1 Working + 1 Standby or 2 independent units
- ✓ Two Different set points & differentials
- ✓ Compressor Rotation for Load Balancing with run hour equalization
- ✓ Activates second compressor if the first fails to reach temperature
- ✓ Startup delay implemented to prevent simultaneous compressor activation.
- ✓ Alarm & Light outputs
- ✓ Communication Port RS485 (MODBUS protocol)

Wire Diagram



SPECIFICATION

Display : 5 Digit LED Display

Analog Inputs : NTC Sensor (Room), NTC Sensor (Coil1), NTC Sensor (Coil 2), CT (upto 50 A)

Digital Inputs : HP1/LP1/HP2/LP2/SPPR/Door / SPPR

Digital Output : Relay :10 A (Compressor-1) - (Compressor-2), Relay :10 A (EVAP-1), - (EVAP-2), Relay :10 A (Heater-1) - (Heater-2), Relay :10 A (Cond Fan-1) - (Cond Fan-2), Relay :10 A (LSV-1) - (LSV-2), Relay :5 A (Alarm)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : '-50°C to +50°C

Size : 210 x 155mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Wall Mounting.

Application : To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be.

Controllers



Website, Diagram,
Manual

GT500P TX

FEATURES:

- Temperature Controller for Positive Application
- Safety - HP, LP, AUX, OL, UL, SPPR
- Door Input with additional Anti Trap
- Computer Connectivity over RS485 and Remote monitoring(Optional)
- Pump Down Option
- Configurable CT upto 50A

SPECIFICATION

Display : 1 inch Dot Matrix Display

Analog Inputs : NTC Sensor (Room), CT (upto 50 A) (Current Safety)

Digital Inputs : Potential 230 (Safety): HP, LP, SPPR, AUX/CTH, OPS, RYB Phase, Potential Free : Door/ Anti Trap

Digital Output : Relay :10 A (Compressor), Relay :10 A (EVAP) , Relay :10 A (Cond Fan), Relay :10 A (LSV),Relay :5 A (Alarm)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : 0°C to + 50°C

Size : 255 x 175 mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Wall Mounting.

Application : To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used cold room.

Wire Diagram

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N
230VAC																																			

GT500N TX

FEATURES:

- Temperature Controller for Negative Application
- Safety - HP, LP, AUX, OL, UL, SPPR
- Computer Connectivity over RS485 and Remote monitoring(Optional)
- Defrost (Duration & Frequency)
- Configurable CT upto 50A
- Pump Down Option



Website, Diagram,
Manual

SPECIFICATION

Display : 1 inch Dot Matrix Display

Analog Inputs : NTC Sensor (Room), NTC Sensor (Coil), CT (upto 50 A) (Current Safety)

Digital Inputs : Potential 230 (Safety): HP, LP, SPPR, AUX/CTH, OPS, RYB Phase, Potential Free : Door/ Anti Trap

Digital Output : Relay :10 A (Compressor), Relay :10 A (EVAP) , Relay :10 A (Heater), Relay :10 A (Cond Fan), Relay :10 A (LSV), Relay :5 A (Alarm)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : -50°C to +50°C

Size : 255 x 175 mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Wall Mounting.

Application : Small Cold Room

Wire Diagram

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N
230VAC																																			

Panels



Website, Diagram,
Manual

GT1000P TX

FEATURES:

- ✓ Temperature Controller for Positive Application
- ✓ Safety - HP, LP, AUX, OL, UL, SPPR
- ✓ Door Input with additional Anti Trap
- ✓ Computer Connectivity over RS485 and Remote monitoring(Optional)
- ✓ Pump Down Option
- ✓ Auto/Manual Mode

SPECIFICATION

Display : 1 inch Dot Matrix Display

Analog Inputs : NTC Sensor (Room), CT (upto 50 A) (Current Safety)

Mains : MCB 32 A 4P

Digital Inputs : Potential 230 (Safety): HP, LP, SPPR, AUX/CTH, OPS, RYB Phase, Potential Free : Door/ Anti Trap

Output : Contractor - 18 A 4P (Compressor), Contractor - 9 A 4P (EVAP)

Digital Output : Relay :10 A (Cond Fan), Relay :10 A (LSV), Relay :5 A (Alarm)

SPPR : Power Surveillance & Safeguarding

Communication Port : RS485 (MODBUS protocol)

Mode : Automatic, Manual (Temperature based)

Size : 400/300/140

Temperature Range : '0°C to +50°C

Power Supply : 415 vac

Enclosure : Fire Retardant ABS Plastic

Mount Type : Wall Mounting.

Application : Positive Temperature Cold Rooms

Wire Diagram

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
R	Y	B	R	Y	B	N	ROOM PROBE		+	-	L	N	L	N	L	N	L	N	OUT	IN	OUT	IN	HP / LP OUT HP IN LP IN				
COMP.			EVAP.																								

Panels



Website, Diagram,
Manual

GT1000N TX

FEATURES:

- ✓ Temperature Controller for Negative Application
- ✓ Safety - HP, LP, AUX, OL, UL, SPPR
- ✓ Door Input with additional Anti Trap
- ✓ Computer Connectivity over RS485 and Remote monitoring(Optional)
- ✓ Defrost (Duration & Frequency)
- ✓ Configurable CT upto 50A
- ✓ Pump Down Option

SPECIFICATION

Display : 1 inch Dot Matrix Display

Analog Inputs : NTC Sensor (Room), NTC Sensor (Coil),CT (upto 50 A) (Current Safety)

Mains : MCB 32 A 4P

Digital Inputs : Potential 230 (Safety): HP, LP, SPPR, AUX/CTH, OPS, RYB Phase

Outputs : Contractor - 18 A 4P (Compressor), Contractor - 18 A 4P (Heater), Contractor - 9 A 4P (EVAP)

Digital Output : Relay :10 A (Cond Fan), Relay :10 A (LSV), Relay :5 A (Alarm)

SPPR : Power Surveillance & Safeguarding

Communication Port : RS485 (MODBUS protocol)

Mode : Automatic, Manual (Temperature based)

Power Supply : 415Vac Standard

Temperature Range : -50°C to +50°C

Size : 400 x 300 x 140 mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Wall Mounting

Application : Negative Temperature Cold Rooms

Wire Diagram

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
MAIN INCOMING SUPPLY				ROOM PROBE		COIL PROBE		RS485		COMPRESSOR		EVAPORATOR				DEFROST				CONDENSER		LSV		LIGHT		ALARM		FRAME HEATER		CCH		OIL PRESSURE SWITCH		AUX. / CTH		HP / LP OUT		HP IN		LP IN		DOOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Chiller Controllers



GT301

FEATURES:

- ✓ Chiller controller for 1 compressor
- ✓ 4.3 inch Touch Display
- ✓ Safety - HP, LP, AUX, OL, UL, SPPR, WFS
- ✓ Water level option
- ✓ Overload trip protection for Compressor, Pump & Fan.
- ✓ Configurable CT upto 50A



Website, Diagram,
Manual

SPECIFICATION

Display : 4.3 inch Touch Display

Analog Inputs : NTC Sensor (Temp. Control), NTC Sensor (Anti Freeze), Flow sensor (LPM), Water Level Sensor, CT (upto 50 A) (Current Safety)

Power Supply : 230Vac Standard (+/- 10%)

Digital Inputs : Potential 230 (Safety): HP, LP, SPPR, AUX/CTH, OPS, RYB Phase

Digital Output : Relay :30(12) A (Compressor), Relay :10 A (Fan), Relay :10 A (Pump), Relay :5 A (Alarm)

Temperature Range : -50°C to +50°C

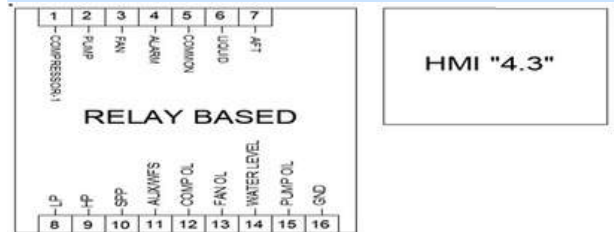
Size : 96x48mm

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 135 x 100mm

Application : Process chiller one compressor

Wire Diagram



GT302

FEATURES:

- ✓ Chiller controller for 2 compressor
- ✓ 4.3 inch Touch Display
- ✓ Safety - HP, LP, AUX, OL, UL, SPPR, WFS
- ✓ Water level option
- ✓ Overload trip protection for Compressor, Pump & Fan.
- ✓ Configurable CT upto 50A



Website, Diagram,
Manual

SPECIFICATION

Display : 4.3 inch Touch Display

Analog Inputs : NTC Sensor (Temp. Control - Liquid), NTC Sensor (Anti Freeze 1) - (Anti Freeze 2), Flow sensor (LPM), Water Level Sensor, CT (upto 50 A) (Current Safety)

Digital Output : Relay :30(12) A (Compressor 1), Relay :10 A (Fan 1), Relay :10 A (Pump 1), Relay :30(12) A (Compressor 2), Relay :10 A (Fan 2), Relay :10 A (Pump 3), Relay :5 A (Alarm)

Power Supply : 230Vac Standard (+/- 10%)

Temperature Range : -50°C to +50°C

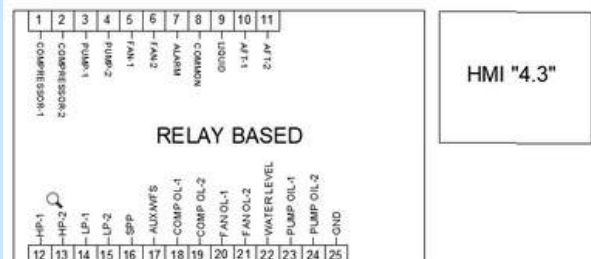
Size :

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount, Panel Cutout : 42 x 92mm

Application : Process chillers with 2 Compressors

Wire Diagram



Chiller Controllers



GTUC PRO Scroll



Website, Diagram,
Manual

FEATURES:

- ✔ 7" Touch Display
- ✔ Data logging
- ✔ Safety - HP, LP, AUX, OL, UL, SPPR, WFS
- ✔ Water level option
- ✔ Overload trip protection for Compressor, Pump & Fan.
- ✔ Data logging
- ✔ Alarm History
- ✔ Simple Parameter Settings with Password Protections

SPECIFICATION

Display : 7 inch touch HMI

Analog Inputs : NTC Sensor (Temp. Control), NTC Sensor (Anti Freeze), Flow sensor (LPM), Water Level Sensor, CT (upto 50 A) (Current Safety)

Digital Output : Relay :(Comp./COND. FAN/PUMP/LSV/ALARM)

Power Supply : 230Vac Standard (+/- 10%)

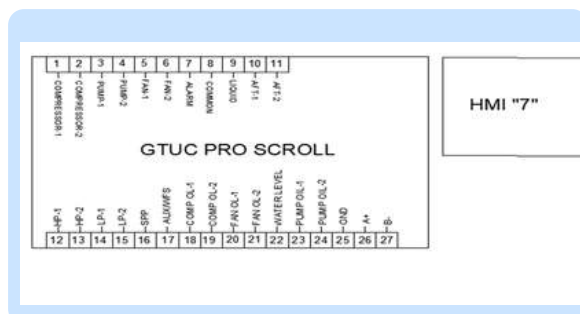
Temperature Range : -50°C to +45°C

Enclosure : Fire Retardant ABS Plastic

Mount Type : Panel Mount

Application : To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used Process chillers.

Wire Diagram



GTUC PRO Screw



Website, Diagram,
Manual

FEATURES:

- ✔ 7" Touch Display
- ✔ Data logging
- ✔ Safety - HP, LP, AUX, OL, UL, SPPR, WFS
- ✔ Water level option
- ✔ Overload trip protection for Compressor, Pump & Fan.
- ✔ Alarm History
- ✔ Simple Parameter Settings with Password Protections

SPECIFICATION

Display : 7 inch touch HMI

Analog Inputs : NTC Sensor (Temp. Control), NTC Sensor (Anti Freeze), Flow sensor (LPM), Water Level Sensor, CT (upto 50 A) (Current Safety)

Digital Output : Relay :(Comp./COND. FAN/PUMP/LSV/ALARM), SV1/SV2/SV3/SV4 (Loading/Unloading)

Power Supply : 230Vac Standard (+/- 10%)

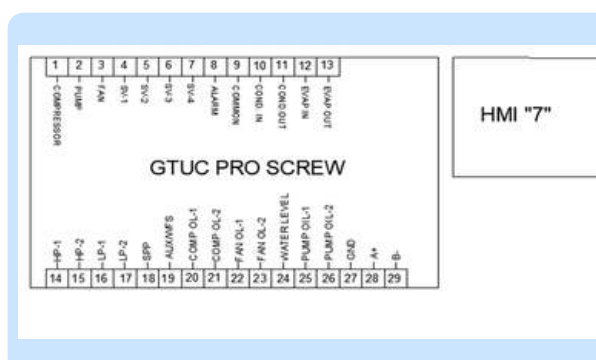
Temperature Range : 230Vac Standard (+/- 10%)

Enclosure : Fire Retardant ABS Plastic

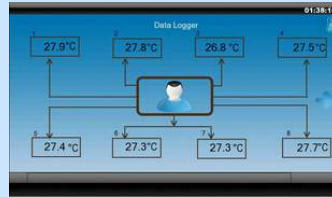
Mount Type : Panel Mount

Application : To automate Freeze Control Units for ensuring accurate control of temperature and thus maintain appropriate temperature, can be used Process chillers.screw chillers, etc.

Wire Diagram



Data Loggers



Website, Diagram,
Manual

GTDL

FEATURES:

- Monitoring and logging Temperature/ Humidity / CO₂/ Ammonia/ Current/ etc

SPECIFICATION

Display : 4.3" HMI/ 7" HMI/ 10" HMI

Analog Inputs : As per input sensor

Channels: 1/2/4/8/16

Power Supply : 230Vac Standard (+/- 10%)

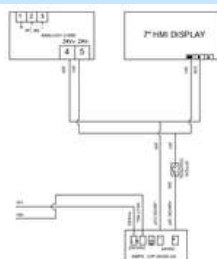
Range : Customized as per requirement

Enclosure : Fire Retardant ABS Plastic

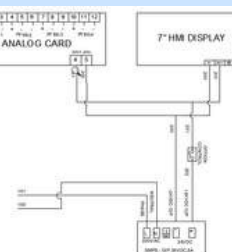
Mount Type : Wall mounting Mount

Application : Cold Rooms.

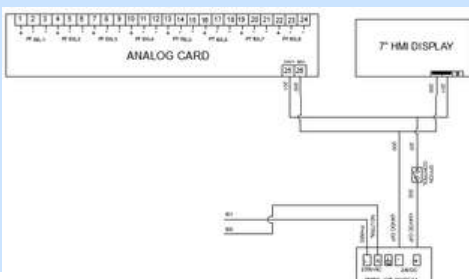
Wire Diagram- GTDL-1



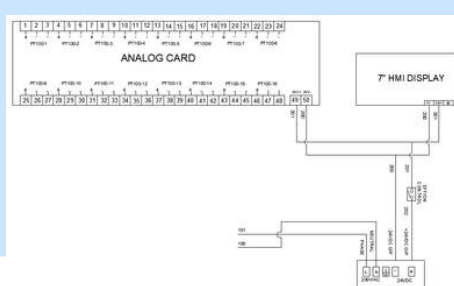
Wire Diagram- GTDL-4



Wire Diagram- GTDL- 8



Wire Diagram- GTDL-16



Panels



GTPL120TX



Website, Diagram,
Manual

FEATURES:

- ✓ Temperature Controller
- ✓ Alarm Output
- ✓ Communication Port - RS 485 (Modbus Protocol)
- ✓ Time delay for Compressor protection
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

Wire Diagram

MAIN INCOMING 40A				COMP			EVAP				PROB+		PROB-	
RYBN				RYB			RYBN							
1	2	3	4	5	6	7	8	9	10	11	12	13		

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Outputs : Relay :5 A (Alarm)

Mains : MCB 32 A 4P

Output : Contractor - 18 A 4P (Compressor)

Contractor - 9 A 4P (EVAP)

Modbus : RS-485

Power Supply : 415Vac Standard

Temperature Range : -50°C to +99°C

Panel Enclosure : 400x300x140mm Fire Retardant ABS Plastic/ 400x330x200 MSPC

Application : Positive Cold rooms



GTPL114TX



Website, Diagram,
Manual

FEATURES:

- ✓ Freezer Controller with Defrost Cycle
- ✓ Time delay for Compressor protection
- ✓ Auto/Manual Defrost
- ✓ Defrosting options based on time or temperature
- ✓ Communication Port RS485 (MODBUS protocol)
- ✓ Retain Memory after Power off
- ✓ Auto operate incase of sensor failure
- ✓ Power On/Off

Wire Diagram

MAIN INCOMING 40A				COMP			HTR				EVAP				ROOM		GND		COIL		GND	
RYBN				RYB			RYBN				RYBN											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				

SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor (Room), NTC Sensor (Coil)

Digital Outputs : Relay :5 A (Alarm)

Mains : MCB 32 A 4P

Outputs : Contractor - 18 A 4P (Compressor),

Contractor - 18 A 4P (Heater), Contractor - 9 A 4P (EVAP)

Power Supply : 415 Vac Standard

Temperature Range : -50°C to +45°C

Communication Port : RS485

Panel Enclosure: 400x300x140mm Fire Retardant ABS Plastic/ 400x330x200 MSPC

Mount Type : Panel Mount, Panel Cutout : 71 x 29mm

Application : Negative Cold Rooms

Panels



GT2000 PTX



Website, Diagram,
Manual

FEATURES:

- ✔ Positive Temperature Controller for 2 Compressors
- ✔ Operating logic for 1 Working + 1 Standby or 2 independent units
- ✔ Two Different set points & differentials
- ✔ Compressor Rotation for Load Balancing with run hour equalization
- ✔ Activates second compressor if the first fails to reach temperature
- ✔ Startup delay implemented to prevent simultaneous compressor activation
- ✔ Alarm & Light outputs
- ✔ Communication Port RS485 (MODBUS protocol)

Wire Diagram

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
R	Y	B	R	Y	B	R	Y	B	N	R	Y	B	N	GND	GND	LSV1	LSV2	ALARM	LIGHT	R	Y	B	N	R	Y	B	N	R	Y	B	N	
COMP 1																																
COMP 2																																
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SPECIFICATION

Display : 7 Segment moulded customized display

Analog Inputs : NTC Sensor

Digital Inputs : HP1/LP1/HP2/LP2/SPPR/Door

Mains : MCB 40 A 4P

Output : Contractor - 18 A 4P (Compressor 1), Contractor - 9 A 4P (EVAP 1), Contractor - 18 A 4P (Compressor 2), Contractor - 9 A 4P (EVAP 2)

Relay : 5 A (Light), Relay :5 A (Alarm)

Power Supply : 415 Vac Standard

Temperature Range : 0°C to +50°C

Panel Enclosure : 400x330x200 MSPC

Mount Type : Wall Mounting.

Application : Used in positive cold room with two unit.



GT2000 NTX



Website, Diagram,
Manual

FEATURES:

- ✔ Negative Temperature Controller for 2 Compressors
- ✔ Operating logic for 1 Working + 1 Standby or 2 independent units
- ✔ Two Different set points & differentials
- ✔ Compressor Rotation for Load Balancing with run hour equalization
- ✔ Activates second compressor if the first fails to reach temperature
- ✔ Startup delay implemented to prevent simultaneous compressor activation
- ✔ Alarm & Light outputs
- ✔ Communication Port RS485 (MODBUS protocol)

Wire Diagram

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
R	Y	B	R	Y	B	R	Y	B	N	R	Y	B	N	R	Y	B	N	R	Y	B	N	R	Y	B	N	R	Y	B	N
COMP 1																													
COMP 2																													
HTR 1																													
HTR 2																													
EVAP 1																													
EVAP 2																													
COND 1																													
COND 2																													
LSV 1																													
LSV 2																													
ALARM																													

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52										
R	N	R	Y	B	R	Y	B	R	Y	B	N	GND	GND	COIL 1	COIL 2	GND	ROOM	R	Y	B	N	R	Y	B	N	R	Y	B	N
COMP 1																													
COMP 2																													
HTR 1																													
HTR 2																													
EVAP 1																													
EVAP 2																													
COND 1																													
COND 2																													
LSV 1																													
LSV 2																													
ALARM																													

SPECIFICATION

Display : 1 inch - 7 Segment moulded customized display

Analog Inputs : NTC Sensor (Room), NTC Sensor (Coil 1), NTC Sensor (Coil 2), CT (upto 50 A)

Digital Inputs : HP1/LP1/HP2/LP2/SPPR/Door

Mains : MCB 40 A 4P

Output : Contractor - 18 A 4P (Compressor 1), Contractor - 18 A 4P (Compressor 2), Contractor - 9 A 4P (EVAP 1), Contractor - 9 A 4P (EVAP 2), Contractor - 18 A 4P (Heater-1), Contractor - 18 A 4P (Heater-2)

Relay Outputs : Relay :10 A (Cond Fan-1), Relay :10 A (Cond Fan-2), Relay :10 A (LSV-1) Relay :10 A (LSV-2) Relay :5 A (Alarm)

Power Supply : 415 Vac Standard

Temperature Range : -50°C to +50°C

Panel Enclosure : 500x500x200 MSPC

Mount Type : Wall Mounting.

Application : Used in Negative cold room with two unit.

IOT Solution



FEATURES:

- ✓ Controlling & Monitoring of parameters (Read & Write)
- ✓ Channels – up to 254 (recommends 10 per site)
- ✓ Connects to any Device with RS485 port (MODBUS Protocol)
- ✓ Connectivity Wi-Fi (GSM optional)
- ✓ Battery - optional Back up for 24 hr
- ✓ Power – 220v operated
- ✓ Installation -Pole/wall mounted
- ✓ GUI based monitoring On server with Dashboard
- ✓ Application accessible on Computer/Mobile
- ✓ Data storage- On server (for 30 days)
- ✓ Interval for logging configurable
- ✓ Data logging- Date wise /Time stamping
- ✓ Display –PWR, Local N/W, internet , alarm
- ✓ SMS Alert On Mobile Numbers
- ✓ Email Reports

Applications:

- ✓ Blood Bank Temp Monitoring system
- ✓ Cold Storage monitoring application
- ✓ API / Drug / Vitamins Pharma Manufacturing
- ✓ Food processing Units
- ✓ Chemical Processing (Epoxy etc)
- ✓ Hospitals, Laboratory
- ✓ Incubator, Hatcheries, Mushroom Cultivation
- ✓ Server rooms etc.
- ✓ Dairy, Ice Creams & Cake Processing Units
- ✓ Marine, Fish and Fresh meat processing units
- ✓ Fruits, Vegetables, Cut- Flowers, Plants & Trees Processing



GURUTRONICS AUTOMATIONS PVT LTD

Contact : 9082575239 , 9625521536

E-Mail: info@gurutrionics.in



www.gurutrionics.in

Sensors & Transmitters



NTC Temperature Sensor



PT100 Sensors



Humidity Sensors



CO2 Sensors



GURUTRONICS AUTOMATIONS PVT LTD

Contact : 9082575239 , 9625521536

E-Mail: info@gurutronics.in



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Thank You

Realcare Certification Private Limited



CERTIFICATE OF REGISTRATION

*This is to certify that the
Quality Management System of*

GURUTRONICS AUTOMATIONS PRIVATE LIMITED
55, POCKET-1 SECTOR-2 BAWANA DSIDC NEW DELHI,
DELHI-110039, INDIA

*has been assessed and approved
in accordance with the guidelines of*

ISO 9001:2015

for the following areas:

"MANUFACTURER AND
INDUSTRIAL
EQ



IS & HVAC CONTROLS,
& AUTOMATION
SYSTEMS

Certified Location:
55, POCKET-1 SECTOR-2

BAWANA, NEW DELHI.

Certificate No: Q-1202000742

Date of Initial Registration: February 12, 2025

Certificate Issue Date: February 12, 2025

Valid Upto: February 12, 2026

Re-certification Due on: February 12, 2028

Accredited
Director



Realcare Certification Private Limited

Accredited By Emirates International Accreditation Centre, Dubai UAE

Validity of the certificate is subject to successful completion of surveillance audit on or before of the due date
(in case surveillance audit is not allowed to be conducted this certificate shall be suspended/withdrawn)
Certificate Verification: Please check the validity of the certificate at <http://www.realcert.com/verify/verify.php>
E-Mail: info@realcert.com * Website: www.realcert.com POC: 91-9999131005, 9110039772

India Office: 142, First Floor, Vardaan Premium Mall, Deepali Chowk, Pitampura, Delhi 110034, India
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gurutronics.in



E- Catalogue



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