REVO SERIES

REFRIGERATED CABINET CONTROLLER

The REVO series controller integrates the cabinet temperature control function on the basis of the superheat control, which can accurately maintain the cabinet temperature and effectively ensure the product quality. In addition, auxiliary functions such as defrost control, evaporative fan control, lighting control and defogging alarm control realize that a single controller can perfectly control all functions of the refrigerated cabinet

FEATURES

- INTEGRATED CABINET TEMPERATURE, DEFROST AND OTHER AUXILIARY CONTROL FUNCTIONS BASED ON SUPERHEAT CONTROL
- MULTIPLE CONTROLLERS REALIZE MASTER-SLAVE CASCADE, SHARING PRESSURE SIGNAL
- WITH TWO SETS OF COMPLETELY INDEPENDENT PARAMETERS, REALIZE ONE MACHINE WITH DUAL TEMPERATURE, ONE KEY SWITCH

GENERAL SPECIFICATIONS

- Applicable for all commom refrigerants
- Operating temperature: -30~55℃
- Storage temperature: -30~55℃
- Relative humidity: ≤95%RH
- Certification: CE
- Installation method: DIN rail snap-in or wall mounting with screws

ELECTRICAL PARAMETERS

- Power supply: 24Vac+10%/-15%,50/60HZ
              24Vdc+10%/-10%, Class II
- Power: Max. power is 10W (24Vdc) or 25VA (24Vac)(without Valve),It is recommended to use a switching power supply above 18W
- Communication mode: RS485 Modbus, Intercom Cascade
- Inputs: 1 Pressure transducer input , 4 Temperature sensor input, 2 Switch input signal
- Output:Relay (250Vac/30Vdc,3A), Electronic expansion valve

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ORDERING METHOD

All the models are compatible with the main refrigerants on the market: R22, R404A,R410A, R134a, R407C, R507, R1234ze, R1234yf, R290, R450A, R513A, R448A, R449A, R452A, R744 (CO2), R744(N20), R32, R245fa, R23, R407A, R407F, R124, R717, R407H, R454C, R455A

No.	Item	Model	Details
1	Controller	SECR03-R0	Refrigerated cabinet dedicated controller
2	Remote Display	MD01-R4	For displaying status and modifying parameters
3	Temperature Sensor	NTC2A1	2m Temp. Sensor
		NTC5A1	5m Temp. Sensor
		NTC9A1	9m Temp. Sensor
4	Pressure Transmitter	YCQB02H01	Ratio with Solder connection, 2m cable length
		YCQB02L12	Ratio with Thread connection, 2m cable length
		YCQB02H18	Ratio with Solder connection, 4.9m cable length
		YCQB02L28	Ratio with Thread connection, 4.9m cable length
5	Switching power supply	TM01	Provides 24Vdc power supply
6	Supercapacitor	SP01	Backup power, shut off valve when power off

Note:
1) Remote Display/Temperature Sensor/Pressure Transducer need to be ordered separately
2) Switching power supply/super capacitor are optional accessories, which can be purchased as required
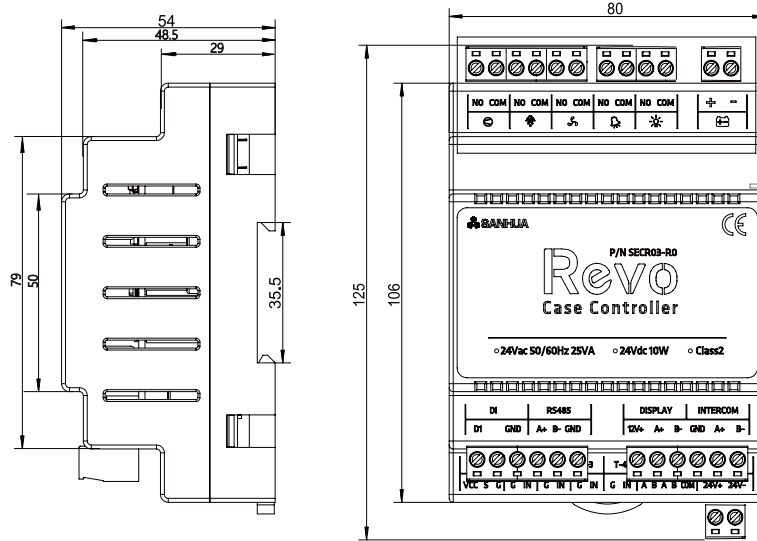
SENSOR INFORMATION

Item		Details
Temperature Sensor	Type	NTC 5KΩ
	Cable	2C×0.5mm
	Protection class	IP 67
	Accuracy	±0.3°C (below 25°C)
	range	-55 ~ 85°C
Pressure transducer	Voltage Supply	YCQB：(5±0.25) VDC
	Output	YCQB：(0.5~3.5) VDC
	Accuarcy	±2.0% F.S. (-30°C/+85°C)
	Protection class	IP 67
	Connection Type	Solder: 1/4" ; Thread: 1/4"SAE 7/16-20UNF

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DIMENSIONS

INSTALLATION DIAGRAM