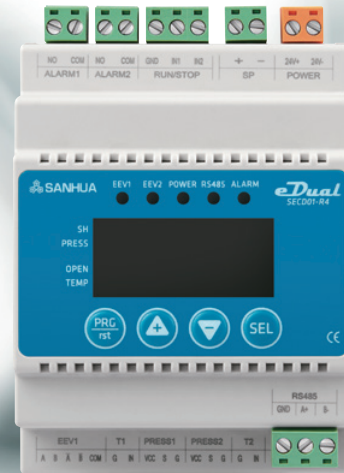


## eDual SERIES

# ELECTRONIC EXPANSION VALVE CONTROLLER

The eDual series one-drive-two controllers have two independent expansion valve controls, which can drive two sets of electronic expansion valves at the same time, the effect is equivalent to two sets of SEC61x controllers running at the same time, and can choose to share the pressure model. Realize effective cost savings for multiple evaporator parallel system



### FEATURES

- DUPLEX INDEPENDENT ELECTRONIC EXPANSION VALVE CONTROL
- INHERIT THE EXCELLENT SUPERHEAT CONTROL CHARACTERISTICS OF SEC6X SERIES
- TWO-WAY CONTROL CAN CHOOSE TO SHARE PRESSURE SIGNAL

### GENERAL SPECIFICATIONS

- Applicable for all common refrigerants
- Operating temperature: -30~55°C
- Storage temperature: -30~55°C
- 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)
- Communication mode: RS485 Modbus
- Inputs: 2 Pressure transducer input, 2 Temperature sensor input, 2 Start-stop signal
- Output: Alarm output (220V 3A), Electronic expansion valve

# eDual SERIES

## Electronic Expansion Valve Controller



### 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), R744A (N2O), R32, R245fa, R23, R407A, R407F, R124, R717, R407H, R454C, R455A

No.	Item	Model	Details
1	Controller	SECD01-R4	eDualController
2	Temperature Sensor	NTC2A1	2m Temp. Sensor
		NTC5A1	5m Temp. Sensor
		NTC9A1	9m Temp. Sensor
3	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
4	Switching power supply	TM01	Provides 24Vdc power supply
5	Supercapacitor	SP01	Backup power, shut off valve when power off

**Note:**

- 1) The temperature/pressure sensor should be ordered separately
- 2) Switching power supply/supercapacitor are optional accessories, which can be purchased according to requirements

### INSTALLATION DIAGRAM

