Data sheet

No. of channel	4-channel
Sampling cycle	50ms(2-CH or 4-CH synchronous sampling)
Input type_TC	K(CA), J(IC), E(CR), T(CC), B(PR), R(PR), S(PR), N(NN), C(TT), G(TT), L(IC), U(CC), Platinel II
Input type_RTD	DPt100Ω, JPt100Ω, DPt50Ω, Cu100Ω, Cu50Ω, Nikel 120Ω 3-wire type(permissible line resistance max. 5Ω)
Input type_Analog	Voltage: 0-100mVDC ⎓, 0-5VDC ⎓, 1-5VDC ⎓, 0-10VDC ⎓ Current: 0-20mA, 4-20mA
Input type_CT	0.0-50.0A(primary current measurement range) ※CT ratio=1/1000, Measured accuracy: ±5% F.S. ±1-digit
Control method	Heating, cooling, heating & cooling: ON/OFF, P, PI, PD, PID control
Control output_SSR	Max. 12VDC ⎓ ±3V 20mA
Control output_Current	Selectable DC 4-20mA or DC 0-20mA(load resistance max. 500Ω)
Communication	Modbus RTU
Proportional band	RTD/Thermocouples: 1 to 999℃/℉ (0.1 to 999.9℃/℉), analog: 0.1 to 999.9 digit
Integral time	0 to 9999 sec
Derivative time	0 to 9999 sec
Control period	1.0 to 120.0 sec
Manual reset	0 to 100%(0.0 to 100.0%)
Insulation type	Double insulation or reinforced insulation(mark: ⧈, dielectric strength between the measuring input part and the power part: 1kV)
Unit weight (packaged weight)	≈ 173 g (≈ 246 g)
Power supply	24VDC ⎓
Allowable voltage range	90 to 110% of rated voltage
Power consumption	Max. 5W(for max. load)
Display method	None-parameter setting and monitoring is available at external devices(PC, PLC, etc.)
Memory Protection	≈ 10 years (non-volatile semiconductor memory type)
Insulation resistance	100MΩ(at 500VDC megger)
Dielectric strength	Between the charging part and the case: 1,000 VAC~ 50/60 Hz for 1 minute
Vibration	0.75 mm amplitude at frequency of 5 to 55 Hzin each X, Y, Z direction for 2 hours
Noise immunity	±0.5kV the square wave noise (pulse width: 1㎲) by the noise simulator
Environment_Ambient temperature	-10 to 50℃, storage: -20 to 60℃
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Protection structure	IP20(IEC standard)

※Since the expansion module is not supplied with power/comm. terminal. Use it with the basic module.
※When the control output is set to the current output, the heater current value monitoring function through the CT input terminals is not available.
※The control extension/option/communication module uses the power voltage from the control basic module.
※Environment resistance is rated at no freezing or condensation.