Ordering Information

Controllers with Terminal Blocks

Size	Case color	Power supply voltage	Input type	Auxiliary outputs	Control output 1	Model
1/16 DIN 48 × 48 × 78 (W × H × D)	Black	100 to 240 VAC	Thermocouple or Resistance thermometer	None	Relay output	E5CN-RMT-500
					Voltage output (for driving SSR)	E5CN-QMT-500
					Current output	E5CN-CMT-500
				2	Relay output	E5CN-R2MT-500
					Voltage output (for driving SSR)	E5CN-Q2MT-500
					Current output	E5CN-C2MT-500
					Long-life relay output (hybrid)	E5CN-Y2MT-500
		24 VAC/VDC	Thermocouple or Resistance thermometer	None	Relay output	E5CN-RMTD-500
					Voltage output (for driving SSR)	E5CN-QMTD-500
					Current output	E5CN-CMTD-500
				2	Relay output	E5CN-R2MTD-500
					Voltage output (for driving SSR)	E5CN-Q2MTD-500
					Current output	E5CN-C2MTD-500
		100 to 240 VAC	Analog (current/voltage)	None	Relay output	E5CN-RML-500
					Voltage output (for driving SSR)	E5CN-QML-500
					Current output	E5CN-CML-500
				2	Relay output	E5CN-R2ML-500
					Voltage output (for driving SSR)	E5CN-Q2ML-500
					Current output	E5CN-C2ML-500
					Long-life relay output (hybrid)	E5CN-Y2ML-500
		24 VAC/VDC	Analog (current/voltage)	2	Relay output	E5CN-R2MLD-500
					Voltage output (for driving SSR)	E5CN-Q2MLD-500
					Current output	E5CN-C2MLD-500
	Silver	100 to 240 VAC	Thermocouple or Resistance thermometer	None	Relay output	E5CN-RMT-W-500
					Voltage output (for driving SSR)	E5CN-QMT-W-500
					Current output	E5CN-CMT-W-500
				2	Relay output	E5CN-R2MT-W-500
					Voltage output (for driving SSR)	E5CN-Q2MT-W-500
					Current output	E5CN-C2MT-W-500
					Long-life relay output (hybrid)	E5CN-Y2MT-W-500
		24 VAC/VDC		2	Relay output	E5CN-R2MTD-W-500
					Voltage output (for driving SSR)	E5CN-Q2MTD-W-500
					Current output	E5CN-C2MTD-W-500

Option Units

One of the following Option Units can be mounted to provide the E5CN with additional functions.

Functions					Model
Communications RS-485	3-phase heater burnout/SSR failure/ Heater overcurrent detection				E53-CNHH03N2
	Heater burnout/SSR failure/Heater overcurrent detection	Event inputs			E53-CNHBN2
Communications RS-485			Control output 2 (Voltage for driving SSR)		E53-CNQ03N2
		Event inputs		External power supply for ES1B	E53-CNPBN2
	Heater burnout/SSR failure/Heater overcurrent detection			External power supply for ES1B	E53-CNPHN2
Communications RS-485				External power supply for ES1B	E53-CNP03N2
Communications RS-485	Heater burnout/SSR failure/Heater overcurrent detection				E53-CNH03N2
Communications RS-485					E53-CN03N2
		Event inputs			E53-CNBN2
	Heater burnout/SSR failure/Heater overcurrent detection		Control output 2 (Voltage for driving SSR)		E53-CNQHN2
	3-phase heater burnout/SSR failure/ Heater overcurrent detection		Control output 2 (Voltage for driving SSR)		E53-CNQHHN2
		Event inputs	Control output 2 (Voltage for driving SSR)		E53-CNQBN2

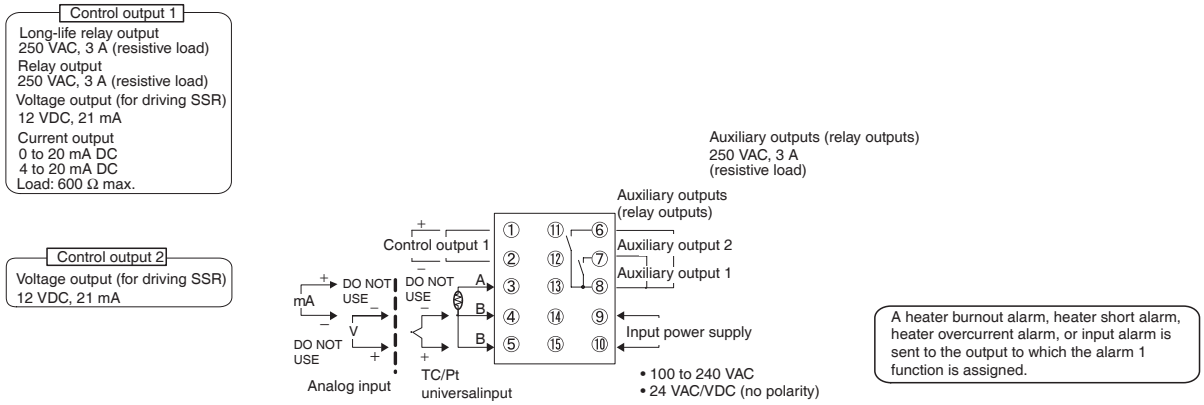
Note: Option Units cannot be used for plug-in models.
These Option Units are applicable only to models released after January 2008.

External Connections

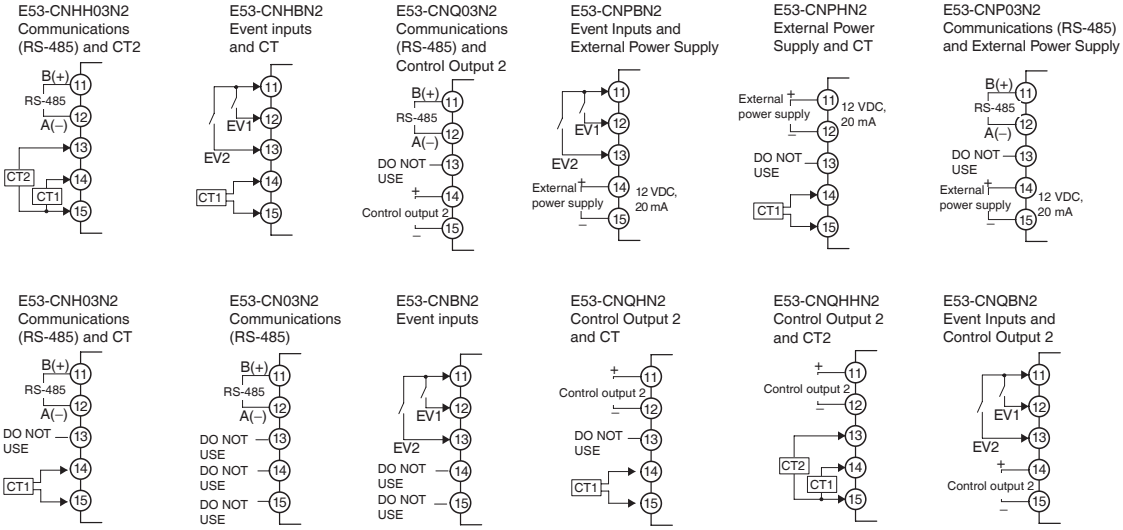
- A voltage output (control output, for driving SSR) is not electrically insulated from the internal circuits. When using a grounding thermocouple, do not connect any of the control output terminals to ground. (If the control output terminals are connected to ground, errors will occur in the measured temperature values as a result of leakage current.)
- Consult with your OMRON representative before using the external power supply for the ES1B for any other purpose.

E5CN

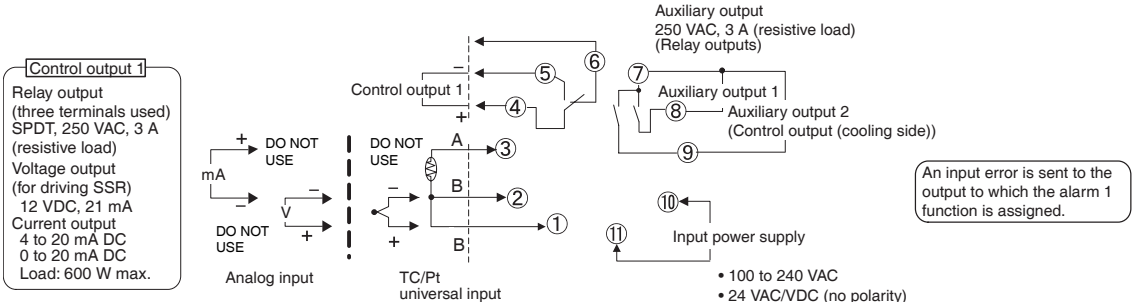
Controllers



Option Units



E5CN-U



Note: For the Wiring Socket, purchase the P2CF-11 or PG3A-11 separately.