Heater Element Burnout Detector
K2CU

CSM_K2CU_DS_E_3_2

Accurate Detection of Heater Element Burnout Regardless of Heater Capacities

- Accurately detects a burned heater element or elements incorporated by a molding machine or packing machine and outputs an alarm signal.
- Precisely singles out the burned element even if one heater element among several heater elements has been burned out.
- Applicable to small- to large-capacity heater elements.
- All K2CU-F large-capacity, built-in current transformer models work with both single-phase and three-phase heaters.
- Voltage fluctuation compensation function eliminates false alarms due to variations in the supply voltage.

Model Number Structure

■ Model Number Legend

K2CU-□□□-□□
1 2 3 4 5 6

1. **Heater Element Burnout Detector**
2. **Operation**
   - F: Large-capacity, built-in Current Transformer model
   - P: Small-capacity plug-in model
3. **Operating Current Range**
   - 0.5: 0.25 to 0.5 A
   - 1: 0.5 to 1 A
   - 2: 1 to 2 A
   - 4: 2 to 4 A
   - 10: 4 to 10 A
   - 20: 8 to 20 A
   - 40: 16 to 40 A
   - 80: 32 to 80 A
4. **Voltage Compensation**
   - None: Not provided
   - A: Provided
5. **Control Power Supply Voltage**
   - A: 100/200 VAC
   - B: 110/220 VAC
   - C: 100 VAC
   - D: 110 VAC
   - E: 200 VAC
   - F: 220 VAC
6. **Gate Input**
   - None: Not provided
   - GS: Provided

Ordering Information

K2CU-F□□A-□GS Model with Gate Input Terminals

Control supply voltage		Operating current			
		4 to 10 A	8 to 20 A	16 to 40 A	32 to 80 A
100 VAC	With voltage fluctuation compensation	K2CU-F10A-CGS	K2CU-F20A-CGS	K2CU-F40A-CGS	K2CU-F80A-CGS
110 VAC		K2CU-F10A-DGS	K2CU-F20A-DGS	K2CU-F40A-DGS	K2CU-F80A-DGS
200 VAC		K2CU-F10A-EGS	K2CU-F20A-EGS	K2CU-F40A-EGS	K2CU-F80A-EGS
220 VAC		K2CU-F10A-FGS	K2CU-F20A-FGS	K2CU-F40A-FGS	K2CU-F80A-FGS

Note: A model with a gate input terminal is required to combine the K2CU with a temperature controller that uses PID control for temperature control of a heater. To do so, use a temperature controller with a voltage output.