

Model Number Structure

Model Number Legend

K8AC-H2□□□-FLK 100-240VAC

1 2 3 4 5 6 7

1. Basic Model

K8AC-H: Digital Heater Element Burnout Detector

2. Product Type

2: Push-in terminals (Power Input: Screw Terminals.)

3. Current Input Range

1: 0.200 to 2.200 A

2: 2.00 to 22.00 A

3: 20.0 to 200.0 A

4. Heater Control Type

C: ON/OFF control (SSR or contactor)

P: Phase control or cyclic control

5. Output Type

C: Contact output (one SPDT relay contact output)

N: Transistor outputs (Two outputs: either NPN open-collector output or PNP equivalent output can be used.) *

* K8AC-H2□□N only.

6. Communications Specifications

FLK: RS-485

7. Power Supply Voltage

100-240VAC: 100 to 240 VAC

Ordering Information

Digital Heater Element Burnout Detectors

Models with Push-in Terminals (Power Input: Screw Terminals)

Power supply voltage	Heater control method	Input specifications	Output specifications	Communications output	Current input range			
					0.200 to 2.200 A	2.00 to 22.00 A	20.0 to 200.0 A	
100 to 240 VAC	ON/OFF control SSR control	Two current inputs (for either single-phase or three-phase)	One relay output	RS-485	K8AC-H21CC-FLK	K8AC-H22CC-FLK	K8AC-H23CC-FLK	
			Two transistor outputs		K8AC-H21CN-FLK	K8AC-H22CN-FLK	K8AC-H23CN-FLK	
	One relay output		K8AC-H21PC-FLK		K8AC-H22PC-FLK	K8AC-H23PC-FLK		
	Two transistor outputs		K8AC-H21PN-FLK		K8AC-H22PN-FLK	K8AC-H23PN-FLK		
Applicable Current Transformer					K8AC-CT20S or K8AC-CT20L		K8AC-CT200 or K8AC-CT200L	Current Transformers (sold separately)

Note: Consult with an OMRON representative if multiple heaters with different capacities are to be connected in parallel or if the heater resistance will vary.

Optional Products (Sold Separately)

Current Transformers

Through-hole diameter	Rated current	Installation method	Model
5.8-mm dia.	0.200 to 22.00 A	Surface-mounted with screws	K8AC-CT20S
12-mm dia.		Rear-surface mounted with screws Binding band	K8AC-CT20L
		20.0 to 200.0 A	Rear-surface mounted with screws Binding band
30-mm dia.	20.0 to 200.0 A	Surface-mounted with screws	K8AC-CT200L

Note: When selecting a Current Transformer, make sure that the rated current of the heater does not exceed the rated upper limit or the rated current of the Current Transformer.