

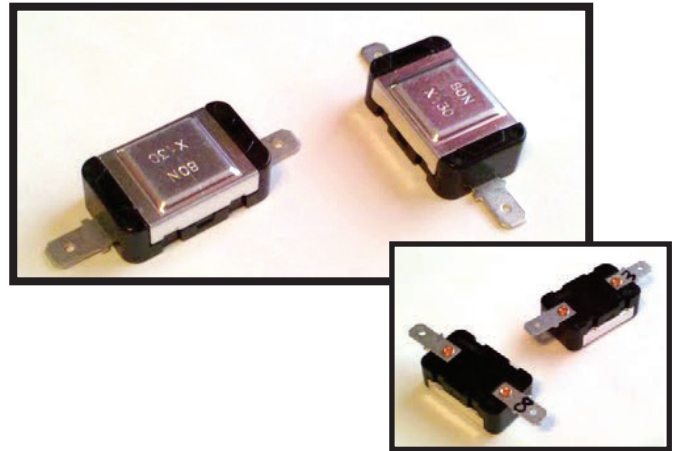
# HB-5 Series

## Narrow Differential Bimetal Thermostat

The low profile rectangular type snap action thermostat has a unique dual contact assembly excellent for AC or DC applications. The narrow differential of 10°C deg. or less in a low temperature application makes it an ideal controller for maintaining a constant temperature without a wide temperature swing. This thermostat offers increased sensitivity in a electrically insulated housing.

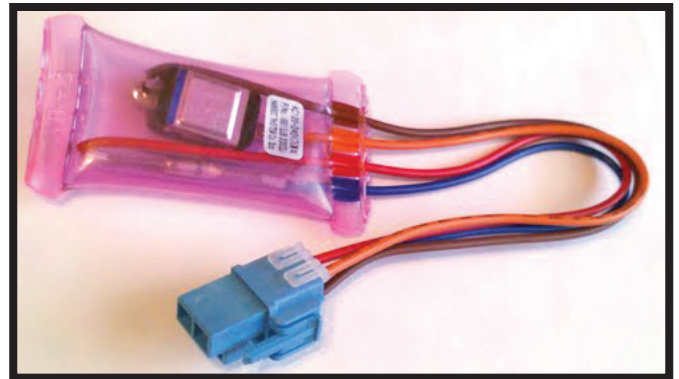
### Features

- Low profile
- Narrow differential
- Dual contacts for extra reliability
- Automatic reset
- Electrically insulated case
- Various terminal and lead wires options
- Standard +/-5°C tolerance or optional +/-3°C
- Temperature range -20°C to 150°C
- Very economical applications



### Applications

- Automotive seat heaters
- Water heaters
- Electric heaters
- Anti freeze sensors
- Blanket heaters
- Medical applications
- Electrical appliance
- Ice makers
- Defrost heaters
- Refrigerated
- Display cases



### Specifications

#### OPERATION TYPE

Temperature range

Differential

Tolerance

Insulation resistance

Dielectric strength

Contact rating

Endurance

Approvals

#### A. OPEN ON RISE

-20°C to 100c°

10c°

+/-5c or +/-3c

1000mΩ

1500 vac for 1 minute

12v/24vdc = 15amps

125vac= 15amps

250vac=7.5amps

100k cycles at rated current

UL, C-UL, VDE, TUV

#### B. CLOSE ON RISE

101°C to 120°C

15°c

121°C to 150°C

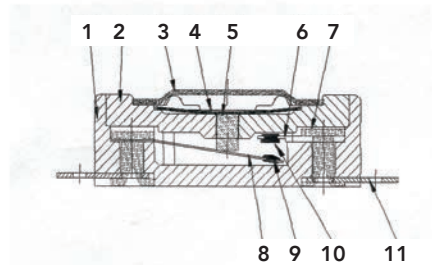
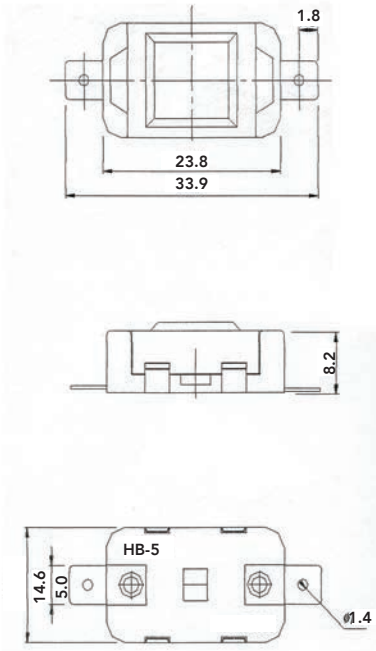
20°c



Phone: 330-966-3796  
Fax: 330-408-7085  
sales@calcoelectric.com  
2381 Locust St. S., Unit #6  
Canal Fulton OH, 44614  
www.calcoelectric.com

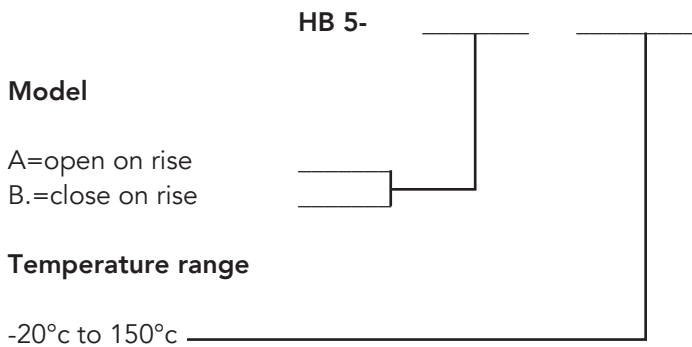
# HB-5 Series

## Structure & Dimensions



- 1 Base
- 2 Cover
- 3 HB5 Cap
- 4 Bimetal
- 5 Guide Pin
- 6 S-Plate
- 7 Rivet
- 8 Terminal
- 9 Spring
- 10 M-Contact
- 11 S-Contact

## Ordering Details



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