



**THERMAL  
PRODUCTS** INC.

Engineered Solutions To  
Industrial Applications

## INDEECO UHIR Series Electric Unit Heaters



**“Off The Shelf Availability”**

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# Thermal Products, Inc

## UHIR Series Unit Heater

The UHIR unit heater is available in 50 standard models with ratings up to 50 KW at voltages of 208, 240, 277, and 480 single or three-phase. They are available with a wide variety of factory built-in or field-installed options.

**Temperature Control:** Single-stage or two-stage control with built-in or remote-mounted thermostats are available on all heaters.

**Control Options:** Available as factory built-in or field-installed to meet job specifications.

**Custom KW's:** Custom KW's are available up to 50 KW.

**Discharge Direction:** The UHIR heater can be mounted for horizontal or vertical discharge using an optional universal wall/ceiling mounting bracket or with field-furnished threaded rods for ceiling mounting.

**Color Options:** The standard color is camel. Six optional colors are available: grey, yellow, red, white, blue or textured beige. Heaters may also be supplied with unpainted corrosion resistant galvanized steel.



## Standard Construction Features

### Heating Elements

Industrial grade, 0.475" diameter steel sheath with brazed copper plated steel fins and epoxy sealed ends. Draw-thru airflow design pulls air across the heating elements to ensure cool element operation and even air distribution resulting in long element life.

### Housing

Heating elements and motor are enclosed in a heavy gauge galvanized steel cabinet with a durable camel polyester powder coat finish.

### Outlet Grille

Individually adjustable louvers are provided to direct airflow. A protective outlet fan guard is provided to prevent insertion of foreign objects.

### Fan Motor

Permanently lubricated and thermally protected motor.

### Built-in Controls

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All units include an automatic reset thermal cutout that will de-energize the heater if an overtemperature condition occurs. A manual reset thermal cutout, in addition to an automatic reset thermal cutout, is standard on heaters 10 KW and above. A fan relay is provided to allow the elements to heat up before fan startup and purges the heater of residual heat after shutdown. A 24-volt transformer and disconnecting contactor are provided on most heaters. Single-phase heaters rated at 5 KW or less have line voltage controls; 24-volt control and contactor are available. Power fusing is standard on all heaters rated over 48 amps.

## Mounting

Universal horizontal or vertical discharge. Optional diffusers are available for vertical discharge. An Anemostat diffuser can be used to provide draft-free air movement at lower mounting heights. For higher mounting heights, radial diffuser with adjustable fins can be used to increase floor coverage or adjusted for a vertical down blast of air.

## Factory Built-in Options

- Custom KW – **Contact Thermal Products Inc**
- Power disconnect switch
- Fusing under 48 Amps, not available on heaters 3 to 10 KW
- Manual Reset Cutout (In addition to automatic cutout) on heaters up to 10KW
- “Heater On” Pilot Light
- Built-in 24V transformer and contactor for 3 to 5 KW, single phase heaters.
- 120V Transformer to replace 24V Transformer
- Summer Fan Switch
- Summer Fan Switch: Remote Pilot Duty
- Built-in Thermostat: 1- or 2-Stage
- Anemostat (Cone) Diffuser
- Radial Diffuser
- 2-Stage Control
- Field-Installed Options
- Shipped loose for field installation into heater.
- Anemostat (Cone) Diffuser
- Radial Diffuser
- Horizontal Dust Shield
- Disconnect Switch
- Built-in Thermostat: 1- or 2-Stage
- “Heater On” Pilot Light
- Summer Fan Switch: Built-in or Remote

**Contact Thermal Products Inc Today To Discuss Your Application!**

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