

Coating Curing Application

Case History

Opportunity

A coatings customer needed to rebuild a furnace to improve heater life, and temperature control, plus eliminate electrical noise.

Problem

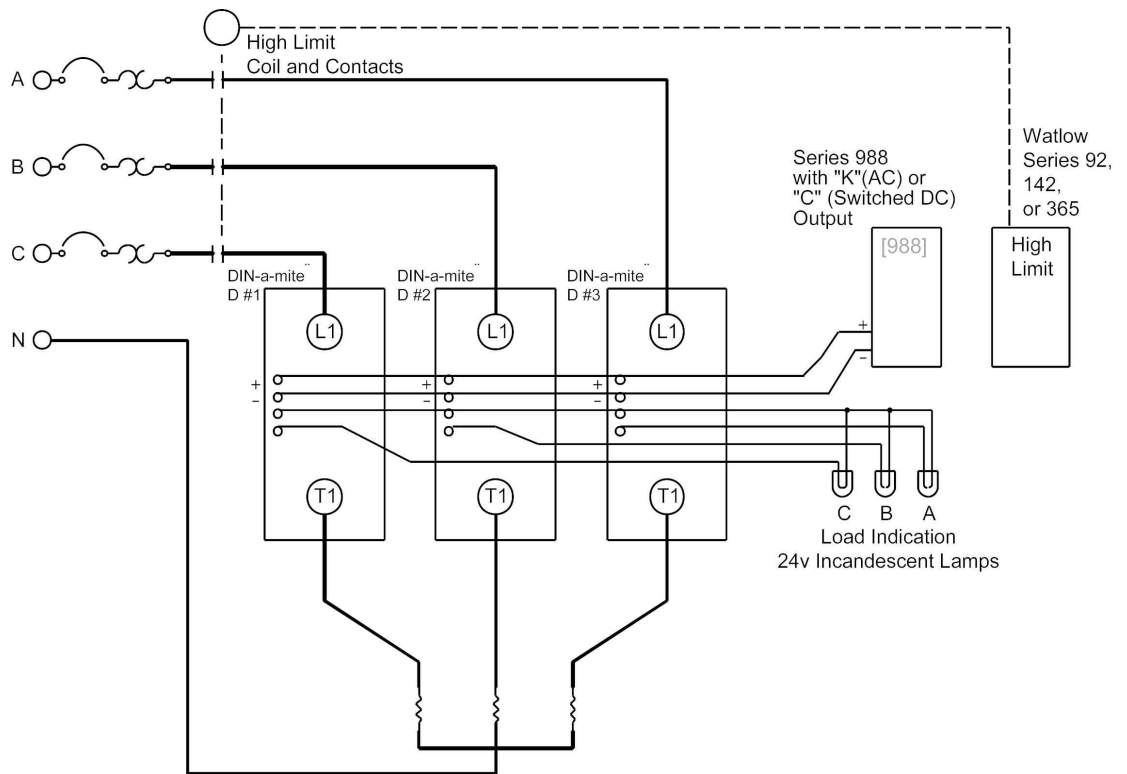
System used 15 each, 3 pole 100A contactors to switch 75KW, 4-wire, 480Vac heater banks. Furnace cold spots resulted from heater burnout with no verification of loss.

Solution

The Watlow distributor specified 45 each DD1C-1M60-C001 DIN-a-mite D units, 3 each per 4-wire "Y" heater. The command signals are parallel connected to the "C" (switched DC) variable time base output of the Series 988 controller, backed by a Watlow high limit. Cooling air is supplied bottom-to-top through the control enclosure. Low voltage lamps on the DIN-a-mites' CT output provides heater verification with resulting maintenance/heater cost savings.

Watlow Products Utilized

- DIN-a-mite "D"
- Series 988
- Series 92, 142 or 365



Watlow Controls
1241 Bundy Boulevard
P.O. Box 5580
Winona, Minnesota
55987-5580
www.watlow.com
Phone: 507-454-5300
Fax: 507-452-4507

