

AND HEAT PUMPS



361: 4/2" bimetal disc control SPST and Manual Reset. Wide selection of mounting and terminal arrangements



Shown with snap-tab



60TX: 3/4" bimeral disc limit and regulating control SPST, SPDT and trip-free Manual Reset.



64TX: 3/4T temetal disc limit control DPST. Can interrupt two 25 ampere.



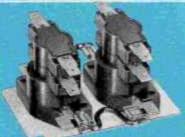
HLHEE 1-1/2" bimetal disc electrical capacity DPST Manual Reset limit control HLX has 36 1/2" specings for 480 VAC appli-cations



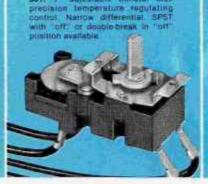
70F/71F: 364" bimetal disc single operation (one shot) limit control
SPST



751F. Combination submatic reset and single operation (one shot) limit control.



129/149/155 Sequencers: 125 - 1 timing, SPST, SPST, OPST, 145 - 2 timings, 2-SPST, 155 - combination



377; 3.4" bimetal disc moisture sitated limit and requisting control. SPST and SPDT. Wide range of apoli-

Therm-O-Disc makes the Controls you need for dependable **Electric Heat and Heat Pumps**

Therm-O-Disc offers the industry's broadest line of controls for electric heating equipment and heat pumps. You can select the controls you need and get Therm-O-Disc proven reliability to help you make your products better than ever.

Primary Limits: Therm-O-Disc offers six controls in this category. Everything from the 1/2" bimetal disc 36T to the capillary 10H and the heavy-duty HLX. You can choose SPST, SPDT, DPST and Manual Reset with a wide range of electrical ratings and spacings.

Secondary Limits: The 70F and 71F are single operation (one shot) controls used for backup limit protection or as high capacity limits. The 75TF combines two switch functions - one automatic, the other single operation.

Sequencers: There are three time-delay relays to

satisfy a broad range of applications - the 12S, 14S, and the 15S which combines up to three 12S and/or 14S controls on a single plate.

Adjustable Regulating Control: The narrow differential, precision 58T with its patented adjustable bimetal disc will control room temperature in electric baseboard heater applications, or serve as an outdoor balance point thermostat for heat pumps.

Moisture-Sealed Control: The epoxy-sealed 37T is a defrost terminator, a two-speed fan control, evaporator fan delay, crankcase heater thermostat, low temperature cut-out, and more. A very versatile control.

Ask us for complete information on these or other Therm-O-Disc controls you need. We will be happy to work with you.

	REPRESENTATIVE UL & CSA ELECTRICAL RATINGS		
SERIES	Resistive Amperes or Wattage	Voltu	
36T	13.75A 10.0A	120 240	
577	14.5 A 12.5 A	277# 240*	
60TX	6000 waits	240-480	
64TX	6000 watts/pole 6000 watts/pole	240-480 500°	
1011	15.0 A 10.0 A	277 600*	
HLX HLX	50.0 A/pole 25.0 A/pole	480 600*	
70F 71F	25.0 A 48.0 A	600	
75TF	25.0 A 12.5 A	240# 480#	
125 145 158	25.0 A 12.5 A 30.0 A combined rating including 7 FLA, 42 LRA max.	240 480 240	
58T	25.0 A 10.0 A	277 600*	
377	10.0A 5.0A	120 240	

and * CSA only. All controls shown carry a minimum plot duty rating or 155YA at their rated voltages For inductive and other applicate satings please congust factor?

THERM-O-DISC, INCORPORATED Leadership through research

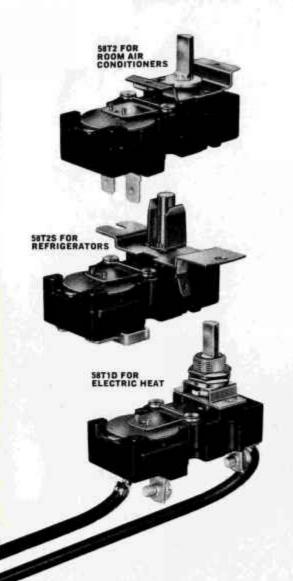


A SUBSIDIARY OF EMERSON ELECTRIC CO.

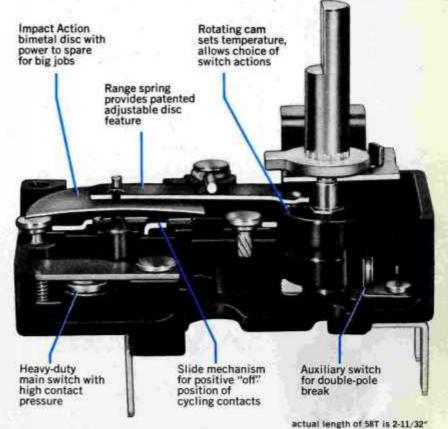
1320 South Main exceet • Mansfield, Ohio 44907

EMIERSON Phone 419/756-591 • Telex 987455 • Cable TODMFL
For information circle 9









New <u>Disc-Powered</u> precision control by Therm-O-Disc cuts costs, has high electrical ratings, long life!

When Therm-O-Disc engineers discovered how to make a bimetal disc control adjustable, they opened a new dimension in low-cost, dependable temperature regulation. This patented principle—thoroughly tested in our 40T Series furnace fan controls and our 59T Series controls for electric water heaters—has now resulted in an unusual new precision control.

It's the 58T Series — a high electrical capacity, narrow differential (4° F.) precision control powered by an adjustable bimetal disc with Impact Action. With the 58T you can replace costlier high capacity controls in all your room air conditioners, refrigerators, and electric heating equipment.

The 58T costs less than most high capacity controls because it uses bimetal—the most economical temperature sensor available. It works far better than bimetal blade versions because the bimetal disc of the 58T has more than three times as much power available to

impart to the electrical switch. When the calibrated temperature is reached, the disc snaps through with such speed and force that full contact pressure is maintained until 1/10,000 of a second before "break." This instantaneous Impact Action of the disc plus the balanced design of the switch give the 58T the advantages of long contact life at high electrical loads, calibration consistency, and excellent durability.

Get all the facts on Therm-O-Disc Impact Action, and ask us for samples and quotations on this new 58T Series precision control that can cut your costs and make your products better and last longer. Call 419/756-5911 or write today.

THERM-O-DISC, INCORPORATED We've got Impact Action!



A SUBSIDIARY OF EMERSON ELECTRIC CO. 1320 SOUTH MAIN STREET MANSFIELD, OHIO 44907

For information circle 9

MORE FACTS ON THE 58T

The 58T incorporates four patented new principles developed by Therm-O-Disc. Designed to replace costlier controls on all sizes of room air conditioners, as well as on refrigerators and electric heating equipment.

Bimetal disc is adjustable over a range of up to 60° F. Differential of $4 \pm 2^{\circ}$ F. available, $5 \pm 2^{\circ}$ F. standard. Calibration tolerances of $\pm 2^{\circ}$ F. are standard.

Physically interchangeable with the 50T Series controls. The 58T, like the 50T, has a wide choice of terminals, mounting brackets, adjusting stems. Switch operation selections include positive "on", single-pole or double-pole positive "off", and others.

ELECTRICAL RATINGS

OF A DOM HEDOGIMISED				
Inductive FLA LRA		Resistive Amperes	Volts	
20	90	25.0	120-277	
720 VA, Pilot Duty			120-277	
CSA (only)		10.0	600	