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Subject: Procedure And/Or Report Material

The following material resulting from the investigation under the above numbers is enclosed.

Issue

Date	Vol	Sec	Pages	New/Revised Date
11/15/90	1	12	Revised Description Page(s) 1, 2, 2A	7/31/01
6/21/96	1	17	Revised Description Page(s) 1, 2	7/31/01

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to LEONARD KALISKI (EXT. 42280), referring to the above Project and/or PD Numbers.

c: NBK File

DESCRIPTION

PRODUCT COVERED:

    USR, CNR   Component - Thermostat, Model US-622.

RATINGS:

Model	Volts	Hz	Current	Max. Temperature Operating
US-622	125 V	60	15 A	185°C
	250 V		10 A	
	125 V	60	5.8 A FLA, 34.8 A LRA	185°C
	250 V	60	2.9 A FLA, 17.4 A LRA	185°C

TEMPERATURE REGULATING THERMOSTATS FOR DRIP TYPE COFFEE MAKERS:

    In addition to the above noted ratings, some models have been tested
for drip type coffee maker applications as noted below:

    Applicable Models - US-622 Series.

    Electrical and Temperature rating -

    Temperature -

Model/Type	Electrical load – Amps at 120 V ac, 100,000 c resistive	Operating Temperature Ratings		
		T (s-p) (+) °C (°F)	T(max) (+) °C (°F)	T(dry) (+) °C (°F)
US-622	15	185 (365)	235 (455)	235 (455)

    (+) - Set-Point Temperature Rating (T s-p) - The nominal temperature at
          which the thermostat's electrical load switching contacts change
          state upon temperature rise. For adjustable thermostats the Set-
          Point Temperature Rating (T s-p) is the temperature at which the
          thermostat's electrical load switching contacts change state,
          upon temperature rise, with the thermostat adjusted to the
          maximum temperature setting.

    *Maximum Normal Use Temperature Rating (T max) - The maximum
temperature permitted on the thermostat's sensing surface during normal
operation of the coffee maker.

    *Maximum Dry Operation Temperature Rating (T dry) - The maximum
temperature permitted on the thermostat's sensing surface during abnormal
(dry) operation of the coffee maker.

METHOD - OVERLOAD

        A sample of Model US-622 was mounted as in normal use, without a load
(since the bi-metal is not electrically connected in the circuit), and
subjected to 50 cycles of operation at a rate of 6 cycles per minute.

        Prior to conducting this test, the sample was subjected to the
"conditioning of safety controls" per CSA C22.2 No. 24-93, as follows.

        The sample was placed in an ambient temperature of -40°C for a min. of 6
hours, then maintained at room temperature for at least
24 hours, Next, the temperature sensing portion of the control was maintained
for 1 hour at a max. declared temperature of 235°C.

METHOD - ENDURANCE

        Following the conditioning, the sample was mounted as in normal use,
without a load, and subjected to the conditions specified below while exposed
to a temperature range from the rest temperature to the maximum override
temperature assigned..

	Operating Conditions
Contact	NC
Operations per minute	6
Cycle rate (seconds)	1/9
Number of operations	75,00
Operations per minute	1
Cycle rate (seconds)	30/30
Number of operations	25,000
Reset temperature	165°C
Max. override temperature	235°C

RESULTS

        The sample was still operational after completing all cycles.

MK/DV:ea
SCDLS