GENERAL: The Model 26-01-AA temperature control is designed to fit into a plastic track and operate with other identical units for controlling a hot melt machine. The control operates from a 100-ohm platinum sensor. The output is a relay contact closure to signal a requirement for heat.

SPECIFICATIONS:

POWER: 230 volts, 50/60 Hz., ± 10%.

POWER REQUIREMENT: 4 V.A. maximum.

SET POINT RANGE: Set point range 150°F to 450°F using an integral set pot and calibrated scale.

SENSOR: Platinum sensor, 100 ohms at 32°F.

\[ R_T = 125.37 \text{ ohms} \ @ \ 150°F. \]
\[ R_T = 156.90 \text{ ohms} \ @ \ 300°F. \]
\[ R_T = 187.63 \text{ ohms} \ @ \ 450°F. \]
GENERAL: The Model 26-01-AA temperature control is designed to fit into a plastic track and operate with other identical units for controlling a hot melt machine. The control operates from a 100-ohm platinum sensor. The output is a relay contact closure to signal a requirement for heat.

SPECIFICATIONS:

POWER: 230 volts, 50/60 Hz., ± 10%.

POWER REQUIREMENT: 4 V.A. maximum.

SET POINT RANGE: Set point range 150°F to 450°F using an integral set pot and calibrated scale.

SENSOR: Platinum sensor, 100 ohms at 32°F.

\[ R_T = 125.37 \text{ ohms} @ 150°F. \]
\[ R_T = 156.90 \text{ ohms} @ 300°F. \]
\[ R_T = 187.63 \text{ ohms} @ 450°F. \]
TEMPERATURE CONTROLLER

CONTROL MODE: The control mode is On/Off. Sensitivity is 1°F ± 0.5°F between power on and power off.

OUTPUT: Relay output rated 2 amperes A.C.; resistance load on 240 volts A.C.

OPERATING AMBIENT TEMPERATURE: 50°F to 140°F.

SENSOR BREAK CONDITION: If sensor leads open output relay will de-energize removing power from heater load.

CONNECTION DIAGRAM:
EQUIPMENT NEEDED:
1. Tester #111
2. 100Ω Decade Box
3. Range Sheet
4. 230 VAC transformer (check paperwork for operating voltage)

SET-UP:
1. Hook decade box to sensor terminals.
2. If needed, plug tester into 230 VAC.

TEST PROCEDURE:
1. Place unit on jig. Turn power ON. Set decade box to MID. Turn set pot until relay monitor just turns ON.

2. Apply stick-on scale as illustrated. Mid scale mark should be centered on screwdriver adjust. Mark slot with red varnish.

3. Check switching sensitivity. Should be $0.2 \pm 0.1(14°F \pm 0.5)$.

4. Set decade box to Lo End. Relay monitor should turn OFF at Lo End $\pm 10\%$ of span.

5. Set decade box to Hi relay monitor. Should turn ON at 9°F.

WINONA, MINNESOTA 55987
1265 EAST SANBORN STREET
PHONE 507 454-5300
<table>
<thead>
<tr>
<th>Model</th>
<th>Temperature Range</th>
<th>AC Voltage</th>
<th>Lo</th>
<th>Mid</th>
<th>Hi</th>
</tr>
</thead>
<tbody>
<tr>
<td>A007-907-000</td>
<td>150°F - 450°F / 230 VAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150°F</td>
<td>125.80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>300°F</td>
<td>157.88</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>450°F</td>
<td>189.14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A007-907-100</td>
<td>50°F - 250°F / 115 VAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>50°F</td>
<td>103.97</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150°F</td>
<td>125.80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>250°F</td>
<td>147.28</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A007-907-200</td>
<td>50°F - 250°F / 230 VAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>50°F</td>
<td>103.97</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150°F</td>
<td>125.80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>250°F</td>
<td>147.28</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Limit Controller

FEATURES
Available in high or low limit
Sub-panel mounted
Relay output
120/240 VAC operation
Available with integral or remote set point adjustments
Designed to FM specifications

GENERAL DESCRIPTION
The 26-06-XX series controllers are designed as temperature limit devices and are available for either high or low limit applications. The units utilize a relay output that can be used to disconnect power to the load when a preset temperature is reached. The controllers are designed to Factory Mutual specifications and must be manually reset after limit is reached. They will not reset, however, until the process temperature has returned to within the preset limits. The units will also go into a limit condition when A.C. power is interrupted. These controllers are offered with either remote or integral set point potentiometers, reset switches and limit indicators. The integral units can be used directly as supplied or will operate with externally mounted limit indicators and reset switches. The remote units must have external set point assemblies, reset switches, and limit indicators.

SPECIFICATIONS:

OUTPUT: S.P.D.T. Plug-in Relay.
CONTACT RATING: 10 A at 120 VAC, 5 A at 240 VAC, 50 VA inductive.
LINE VOLTAGE: 120/240 VAC ± 10%, 50/60 Hz.
POWER CONSUMPTION: 2.0 VA (controller only).

INDICATION:
Integral L.E.D. indicates when limit is exceeded—Models 26-06-05, 26-06-06.
Remote light required — indicates when limit is exceeded — Models 26-06-07, 26-06-08.

OPERATING AMBIENT: 30 to 130°F.

SET POINT POTentiOMETER:
Integral — Models 26-06-05, 26-06-06.
Remote, 24" leads standard — Models 26-06-07, 26-06-08.

SET POINT SHIFT W/AMBIENT:
Typically 5 microvolts/°F ambient referred to the input.

SET POINT SHIFT W/LINE VOLTAGE:
± 10% change in line voltage will produce less than ± .25% of span.

SWITCHING DIFFERENTIAL:
± 3°F for Type “J” T.C.; ± 4°F for Type “K” or Type “T” T.C.

SENSOR PROTECTION:
Models 26-06-06, 26-06-08 — In the event of an open sensor, output will go into high limit condition.
Models 26-06-05, 26-06-07 — In the event of an open sensor, output will go into low limit condition.

COLD JUNCTION COMPENSATION:
Automatic, T.C. is connected directly to unit.

RESET:
Manual reset required when limit is exceeded. Limit will not reset unless temperature has returned below limit temperature on high limit models or above temperature on low limit models.
Integral reset switch on Models 26-06-05, 26-06-06.
Remote reset required on Models 26-06-07, 26-06-08.
REMOTE SET POINT

INTEGRAL SET POINT

ORDERING INFORMATION

Specify model numbers, temperature range and thermocouple type. On remote set point units, also specify remote set point assembly number.

Model 26-06-05 — Integral set point, low limit
Model 26-06-06 — Integral set point, high limit
Model 26-06-07 — Remote set point, low limit
Model 26-06-08 — Remote set point, high limit

Temperature Range and Sensor | Remote Set Point Assembly
--- | ---
-200 to 600°F, Type "J" | A006-182
0 to 400°F, Type "J" | A006-191
200 to 600°F, Type "J" | A006-179
0 to 1000°F, Type "J" | A006-198
0 to 2000°F, Type "K" | A006-291