SPECIFICATIONS:

CONTROL MODE: Dual outputs with the proportioning automatic reset, rate on both outputs.

OUTPUTS:

HEATING OUTPUT: 1.5 amperes, 120/240 VAC, zero switched, solid state.

COOLING OUTPUT: 1.5 amperes, 120/240 VAC, zero switched, solid state.

LINE VOLTAGE: 120/240 VAC, ± 20%, 50/60 Hz.

POWER CONSUMPTION: Less than 6 V.A.

OPERATING AMBIENT: +30°F to +130°F.

CONTROL ACCURACY: Typically ± 0.5°C depending on thermal system design.
TEMPERATURE CONTROLLER

SET POINT SHIFT WITH AMBIENT: Typically less than \(+1^\circ F\) from 50°F to 120°F.

OPEN SENSOR: In the event of an open sensor, heat turns off and cooling output energizes.

ADJUSTMENTS:

PROPORTIONAL BAND:

- P.B. - Heat: Adjustable over the range of \(5^\circ C\) to \(50^\circ C\).
- P.B. - Cool: Adjustable over the range of \(5^\circ C\) to \(50^\circ C\).

AUTOMATIC RESET: Adjustable over the range of .05 to 0.5 repeats per minute. Control amplifier output signal one (1) volt.

RATE: Adjustable over the range of 0 to 5 minutes.

CYCLE TIME:

- C.T. - Heat: Adjustable over the range of 2 to 20 seconds.
- C.T. - Cool: Adjustable over the range of 2 to 20 seconds.

DEAD BAND: Band between heat off and cool just off. Adjustable over the range of 0 to 5°F.

BALANCE ADJ.: Allows system to be balanced so exact correlation between set point and actual process variable can be attained.
TEMPERATURE CONTROLLER

CONNECTION DIAGRAM

DATA SHEET

MODEL NO. 2B04-94H-XXX

WAILLOW WINONA, INC.
WINONA, MINNESOTA 55987
1265 EAST SANBORN STREET
PHONE 507 454-5300

Page 3 of 3