



Order Number

Serial Number

2T240X5 TEST PROCEDURE

HEIGHT SENSING RELAY

Drawing 660-332-201

1. Set both trimpots to their mid range position.
2. Connect 240 volts AC to terminals 2 and 7.
3. Connect period measuring instrument between TP01 & TP02 (Gnd).
4. Set trimpot R12 to give the required period for the 180 unit height setting (299ms).
5. Set the front control on the unit to the 60 unit height setting and pad C3 to achieve the figure for the 60 unit height (1098ms). Verify the results listed in the table below.

The **Bolded** figures are cardinal points and must be verified.

Height	60	70	75	85	95	130	155	160	180
Period(ms)	1098	898	823	659	615	429	351	337	299
Time(Minutes)	75	61.3	56.25	45	42	29.3	24	23	20.45

Note: The calibration accuracy (period) on any setting must be within +/- 5% of maximum time setting ,i.e. $1098\text{ms} \times 5\% = 54.9\text{ ms}$. This gives a tolerance of **1098** to **1152** on max and **244** to **353** on the lowest setting.

6. Connect test Link.

The output pulse for this setting must be within the range of 3 to 5 seconds and is typically 3.5 seconds. Perform the following steps to achieve this result.

Set trimpot R10 to give a period .855 ms this should cause the output relay to turn on and off at a 3.5 second interval. The tolerance of this period is from .732 ms to 1.22 seconds.

7. Assemble the timer to completed stage and plug into multiple unit tester. Monitor the elapsed time and ensure the relay contacts change over at the required time.

