

PNEG-1347

100 Series SCR Board Setup Instructions



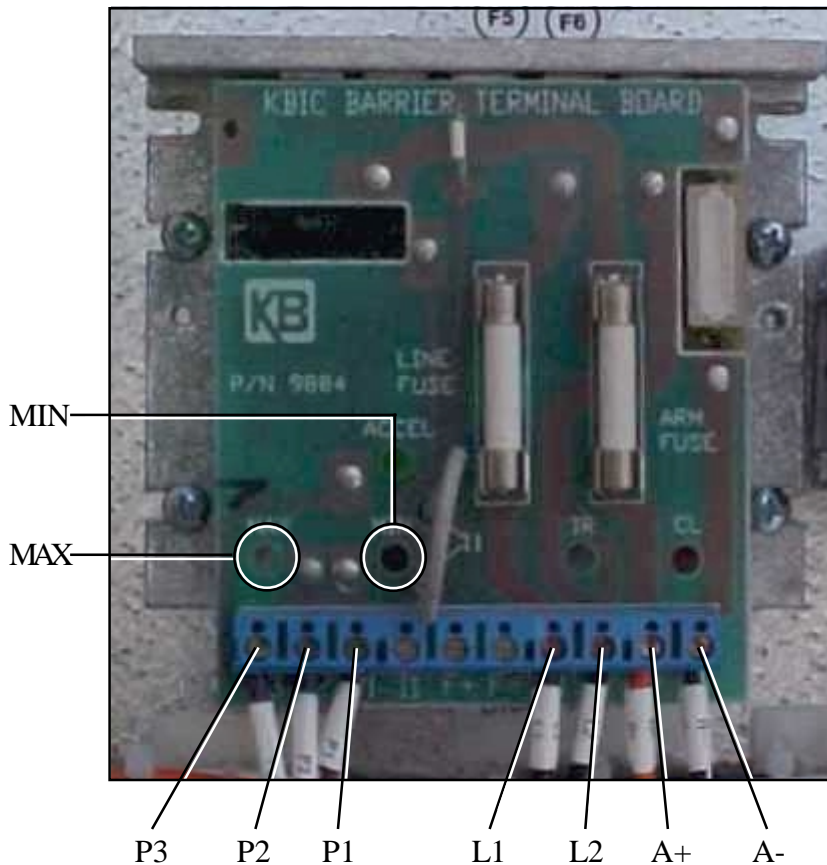
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THE GSI GROUP



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SCR board terminals and min./max. adjustment locations.



* The SCR board is located in the upper control box.

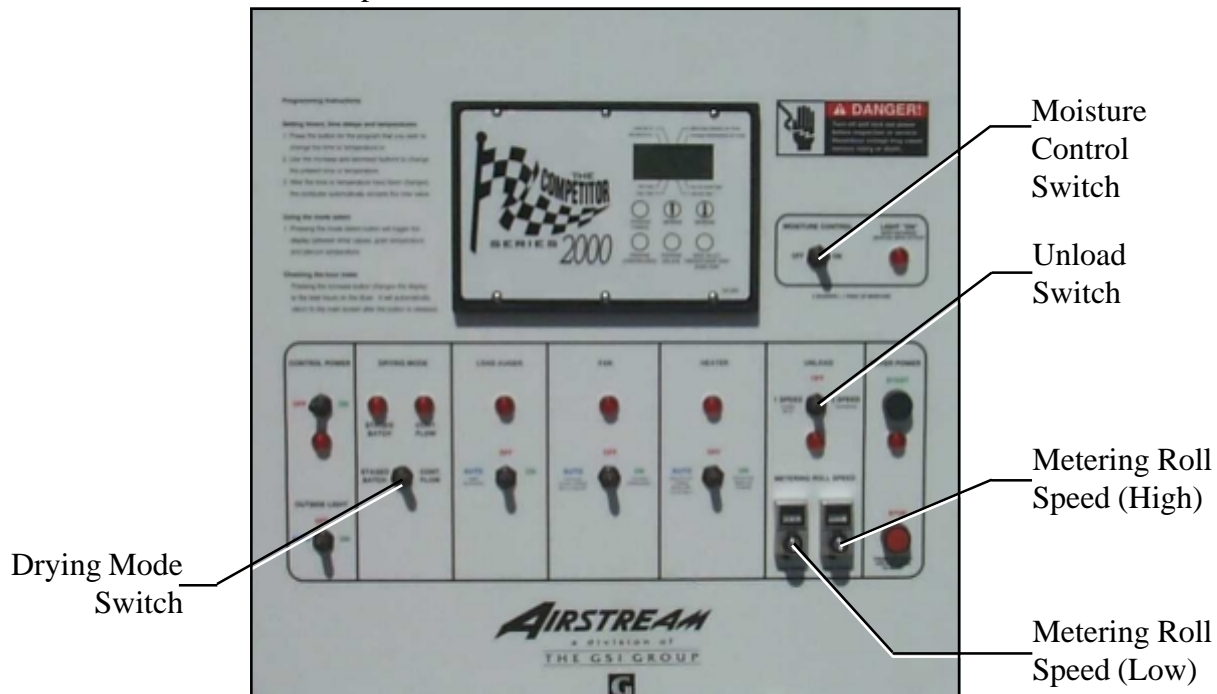
* Terminals L1 and L2 are the input terminals. When the unload system is turned on there should be 220 Volts AC across these terminals.

* Terminals A+ and A- are the output terminals. The voltage across these terminals is **DC** and will vary depending on where the speed control potentiometer is set.

* The item circled at the bottom right of the SCR board in the photograph is the minimum set potentiometer. This will be used in the SCR board set up to set minimum DC voltage.

* The item circled at the bottom left of the SCR board in the photograph is the maximum set potentiometer. This will be used in the SCR board set up to set maximum DC voltage.

Control panel switch locations.



Before starting the procedure set the dryer up as follows:

1. All fan and heater switches to off position and load switch to off position.
2. Control power to on position.
3. Push the dryer power switch.
4. Dryer mode switch to cont. flow position.
5. Moisture control switch to on position.
6. Unload switch to 2 speed position.

Setting SCR board maximum voltage.



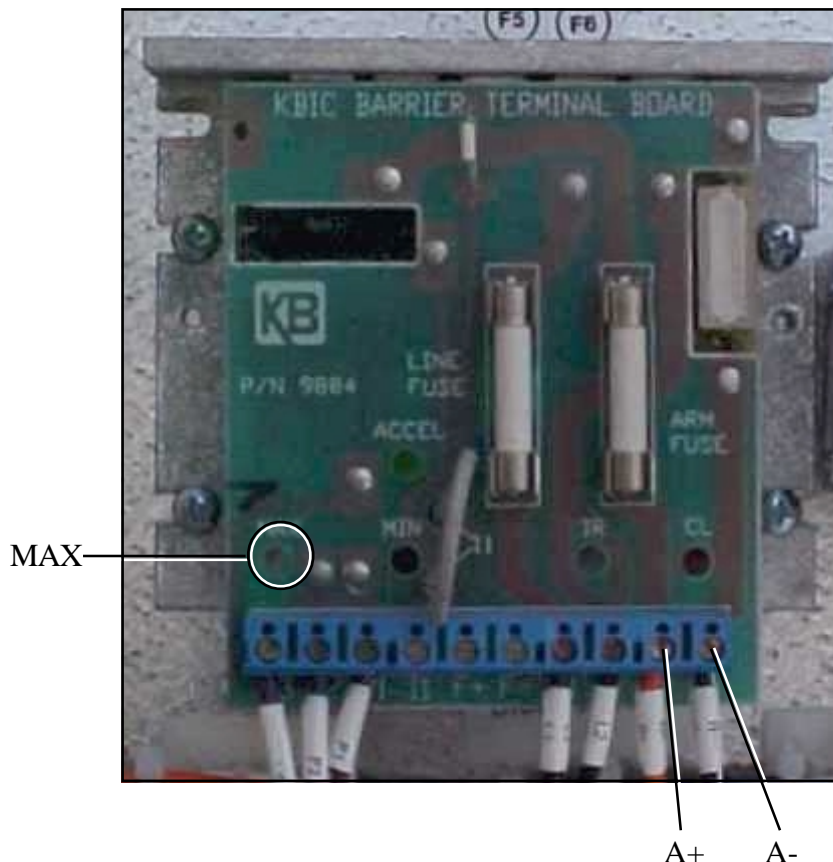
Unload Switch
to 2 speed
position

Metering Roll Speed
(High) set to 999

Metering Roll Speed
(Low) set to 050

1. Set the low metering roll speed to 050 on the dial indicator shown in the photograph on the left. Set the high metering roll speed to 999.
2. Switch the Unload switch to the 2 speed position.
3. Switch the Moisture Control switch to the off position. This will put the meter roll rotation speed to the high setting.

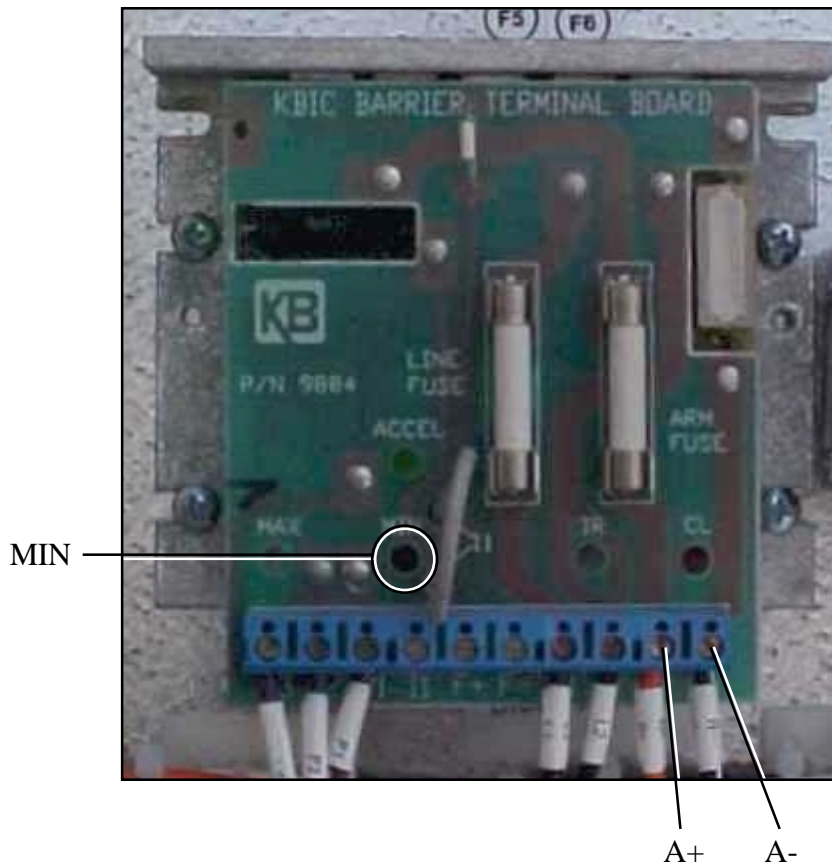
4. Use a voltmeter set at the 200 volt DC range and probe terminal A+ with the red voltmeter probe and A- with the black voltmeter probe. If the display on your voltmeter reads 180 volts DC no maximum adjustment is needed. If your voltmeter does not read 180 VDC, then use a small screw driver and adjust the max set potentiometer until the voltage is 180 VDC.



Setting SCR board minimum voltage.

1. Switch the Moisture Control Switch back to the on position. This will put the meter roll rotation speed at the low setting.
2. Use a voltmeter set at the 20 volt DC range and probe terminal A+ with the red voltmeter probe and A- with the black voltmeter probe. Use a small screw driver and adjust the min set potentiometer until the voltage is 9 VDC.

The SCR board is now set and dryer is ready for normal operation at desired settings.



NOTES

[illegible]



a d i v i s i o n o f

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