

Diagnostics for Skutt and other Bartlett Controllers with **GREEN LED** display
*if kiln has a **RED LED** display then a visual test/multimeter test will be required*

If display reads **“FAIL”** then a new thermocouple is needed. If new T/C does not solve problem then it is an issue within the T/C circuit and will require further troubleshooting.

If display reads **“ERR 1”** use the guide below to check Amperage

To access Diagnostics (Amperage):

1. Press MENU>MENU>ENTER followed by the same sequence MENU>MENU>ENTER
2. The display will read the Amperage readings from each kiln section
3. Below is a chart of what the expected readings should be

Model Voltage	Phase	Amp1	Amp2	Amp3
KMT/KM-1627PK 240	1 & 3	38	21	38
KMT/KM-1627PK 208	1 & 3	44	25	44
KMT/KM-1627PKLF 240	1 & 3	27	14	27
KMT/KM-1627PKLF 208	1 & 3	27	15	27
KMT/KM-1231PK 240	1 & 3	25	20	25
KMT/KM-1231PK 208	1 & 3	29	22	29
KMT/KM-1227PK 240	1 & 3	23	13	23
KMT/KM-1227PK 208	1 & 3	27	15	27
KMT/KM-1227 240	1 & 3	17	14	17
KMT/KM-1227 208	1	17	14	17
KMT/KM-1227 208	3	18	16	18
KMT/KM-1222 240	1 & 3	20	8	20
KMT/KM-1222 208	1	20	8	20
KMT/KM-1222 208	3	23	9	23
KMT/KM-1218 240	1 & 3	14	19	14
KMT/KM-1218 208	1 & 3	14	19	14
KMT/KM-1027 240	1 & 3	17	14	17
KMT/KM-1027 208	1	17	14	17
KMT/KM-1027 208	3	18	16	18
KMT/KM-1022 240	1 & 3	20	8	20
KMT/KM-1022 208	1 & 3	20	8	20
KMT/KM-1018 240	1	20	20	N/A
KMT/KM-1018 208	1	20	20	N/A
KMT/KM-822 240	1 & 3	14	6	14
KMT/KM-822 208	1 & 3	16	7	16
KMT/KM-818 240	1	13	13	N/A
KMT/KM-818 208	1	13	13	N/A
KMT/KM-818-30A 240	1	11	11	N/A
KMT/KM-818-30A 208	1	12	12	N/A
KMT/KM-714 120/240	1	10	20	N/A
KMT/KM-614 115	1	N/A	20	N/A

4. If the value reads **“0”** when it should not then the relays are at fault, swap the affected relay
5. If the value is approx. ½ of the listed value above then it is the element at fault
6. Customer can run a visual test or use multimeter to determine which element is at fault