

Product Change Notice PCN0502: Event Message "A7"

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1.) General Information

Under certain conditions on bentrup TC503, TC505 and TC8000 controllers the event message "A7" is shown and the firing is interrupted. The manual does not explain event message "A7".

2.) Meaning of Event Message "A7"

If the controller finds the kiln unable to follow the programmed temperature increase in a ramp (!) the controller waits for a certain time to allow the kiln temperature to catch up. If the kilns temperature fails to catch up this event message "A7" is shown and the firing is aborted.

3.) Workaround

Parameter 9 sets the controllers reaction to heat up problems. Setting parameter 9 to "2" disables the extended heat up checking of the kiln and therefore also disables "A7".

Note that gradient check for safety reasons is still performed. If gradient check fails the controller shows event message "A4" and aborts firing.

"A4" differs from "A7" as follows: "A4" means that the gradient check has failed. This points clearly to a kiln heat up problem, thermocouple short circuit or loss of heat if the customer opened the kiln. Other than "A7", "A4" can never be caused when the user enters odd ramp values (e.g. 500°C/h). In other words, in most cases "A7" points to bad programme ramp values.

4.) Further Notes

From software version 1.14 the controllers reaction on heat up problems has been changed. Now, the controller continues after the holding period rather than interrupting the firing (like on TC507).