

	Engineering documentation for firmware related issues	Autor: / Author: Wegener Datum / date: 27.11.2019
Basisgerät/ basic device: Doc.revision: v2	TD 2810/2820 Name/name: Wegener	Ident-No./Index: 70548/C Datum/date: 28.11.2019

Änderungsgrund/ reason of change:
new release of the TD2810/2820 firmware

Firmware: Based on firmware 70548B, files from workpool

Program ID: 70548C (changed)
Charactergenerator1: 48215H (no change)
Charactergenerator2: 48149B (no change)

A) Functional changes (compared to FW 70548B)

1.

B) Functional improvements and bug fixes

1. CR temperature sensor monitoring

The voltage of the CR sensor is measured every 50ms. If the voltage drops below 160mv (equivalent to -10°C or sensor/cable defect or sensor missing) 20 times in a row, for example constant for one second, the sensor is recognized as defective or missing. The printer will then go offline and report "CRSENS Error" on the panel. If you switch the printer back online, you can continue with printing. In this case, the motor current is regulated as if the motor were hot, the result is that it will print slower, but can no longer be overheated. In case of "CRSENS Error", the "show on" function will show 2400mv for CR sensor voltage (in the first line of the panel) and "M" for motor hot (in the second line).