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## Addendum for Version(s) 5.4/5.3d 4.4/4.3d

The main instruction set still applies to this version. One feature has been added and one changed.

### **Feature added:**

The controller will now self test its own RS-485 communications chip. This provides a 100% built in self test. The “comms check” feature is activated by the user on start up. To enter the comms check press the **Start/Stop** button when the LED display shows “**cc**” during the Reset Sequence. This is displayed immediately after the two double dashes “--” are displayed. When entered, the “comms check” routine will show either “**cP**” (comms check passed) or “**E1**” (comms check failed) on the LED display. Regardless of the status of the outcome the controller will continue its startup routine and function normally.

**cP** indicates that the controller passed its internal comms test. This verifies that the transmit/receive function of the processor, RS-485 chip, and any connections between them test OK.

**E1** indicates that one of the above components has failed the test. Contact TanTime to determine the best course of action if this is displayed.

### **Feature changed:**

For version 5.4d/5.3d the TPI function will now count UP instead of counting down. When the TPI is activated the controller will start at zero and count up to the maximum session limit. No other changes have been made to the TPI “3P” function. This change is not applicable for versions 4.4d/4.3d.