

	STARTUP & SHUTDOWN with LCM4 Controller & M4SENET-100 Ethernet	DOC NBR: TEC-501
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Troubleshoot Instruction		PAGE 1 OF 1

1.0 SCOPE

- 1.1 Best practices for startup and shutdown of a furnace controlled by Window computer and an OPTO22 CM4 controller with M4SENET-100 Ethernet card.

2.0 APPLICATION

- 2.1 All RTC and LCI computer controlled furnaces.

3.0 GENERAL

- 3.1 Always start furnace first, then start computer
- 3.2 Always shutdown computer first, then shutdown computer.
- 3.3 Always use Windows start button to shutdown computer. Do not unplug computer or press Furnace OFF button to shutdown computer.

4.0 STARTUP if Computer is OFF

- 4.1 Start Furnace
 - 4.1.1 Press ON button on control console
 - 4.1.2 Furnace will start to last recipe, even without computer ON.
- 4.2 Start Furnace computer
 - 4.2.1 Press ON button on front of computer.

5.0 Shutdown, after furnace is cool:

- 5.1 On computer, use Windows start button to shutdown Furnace computer.
- 5.2 Furnace shutdown alternatives:
 - 5.2.1 Set recipe to Standby with lamps off and belt speed =zero, or
 - 5.2.2 Set recipe to Standby with lamps at a low lever and belt speed greater than zero, or
 - 5.2.3 Shut off furnace using of button.