

Heller Industries Inc.

Software log: Heller Oven Operating Program for HC2 ctrl. on Windows 7/8/10 OS

PN: Rev: - D

593949

<u>Software Version</u>	<u>ECN #</u>	<u>Change/Update Description</u>
8.0.0.0	Jan-21-2015	<ul style="list-style-type: none"> - This version is continuation from version 6.2.0.10 - Added 2024 (24zone) oven model - Added heater failure detection options <ul style="list-style-type: none"> - - Heater failure (delayed cooldown) by monitoring heater current data - - Heater failure (delayed cooldown) by monitoring heater GFI trip
8.0.0.1	Feb-09-2015	<ul style="list-style-type: none"> - SMEMA 9851 entrance operation improvement, during board entry to not go off due to lot end or oven goes in warning or downstream becomes not ready etc. - Added TDM Error reporting from secondary HC2 (dual HC2 oven models) - Added monitoring HC2 (serially connected) comm failure from secondary HC2 - Added recipe compatibility from version 5.5.0.18. Already compatible with recipes from 6.0.0.14a, 6.0.0.36, 6.5.0.14. - Corrected Overview studio crash related to current monitoring option selection - Corrected Cure SMEMA Belt stop issue when both belts and two lane smema is enabled. - Setup page1: removed "Optimize for touchscreen" option - Setup page5: removed Channel groupings option
8.0.0.2	Feb-16-2015	<ul style="list-style-type: none"> - Added feature to select board animation direction independent of oven direction - Added current monitoring MODBUS comm failure warning
8.0.0.3	Feb-27-2015	<ul style="list-style-type: none"> - Added option selection for SECS/GEM VID compatibility to match version 5.5.0.18 VIDs (heater zone SP, PV, OP for zones 14 onwards) - Corrected issue of EC update after recipe load for zones 14 onwards - Corrected data log file to not include recipe file name and header row before each record entry
8.0.0.4	Mar-18-2015	<ul style="list-style-type: none"> - Current modbus comm failure warning is applicable only if heater failure delayed cooldown option is selected. - Improvement to heater failure (delayed cooldown) detection using current monitoring option to have more flexibility

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8.0.0.5	Apr-10-2015	<ul style="list-style-type: none">- Fixed: Rail exercise option for Rail3, Rail4 and CBS2- Updated all language.ini files to include missing entries- Widen rail SP and PV display boxes to display five digit number (xxx.xx). <p>There was a problem when oven is running with English language.</p> <ul style="list-style-type: none">- Setup wizard corrections:<ul style="list-style-type: none">- Page4: negative tolerance for Rail4 was not getting saved, it was 0.2 all the time- Page6: Belt2 selection was getting disabled when Flux Condensation and Flux2 heater options were selected.
8.0.0.6	June-30-2015 Rev-C ECN150016-001	<ul style="list-style-type: none">- Add Cool pipe blockage detection option- Change High water temp alarm to settable time delay Warning and Alarm type- Update for EIB SECS/GEM compatibility (EC change operation)- Fixed: security setup issue for "Acknowledge All Alarms" that was noticed in version 8.0.0.5.- Fixed: Setup wizard page1 to allow change EXE file path for SECSGEM bridge program- Fixed: setup wizard page2 for Flux condensation option setup- Corrections to language files, add missing entries to match English language file
8.0.0.7	Dec-17-2015	<ul style="list-style-type: none">- Fixed: Setup wizard: Bottom zone13 TPO setting was not able to change- Disable older journal file open button within oven program, program was hanging. Text event log file can be opened using notepad.- Add recipename into oven data log as an setup-wizard option.- RTPS option using oven control TC: profile data logging in a CSV file along with barcode- Allow READ access to currently running oven event log text file by 3rd party programs, file can be copy and paste to different location- Add events in event log file when light tower changes to red from green/yellow, light tower is yellow from off state.

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8.0.0.8	Feb-24-2016	<ul style="list-style-type: none">- RTPS update to have option for monitoring TC data from serially connected HC2- Exhaust monitoring pressure value to SECS/GEM- Fixed: Production capacity option was always displaying 0- Closed loop N2 with Standby: write Alarm1 value for all three channels.- Belt stop on a digital input signal (option for dryer ovens)- Fixed: Setup wizard page7: belt channel statup sequence can be changed now-
8.0.0.9	Apr-20-2015 Rev-D ECN160011-001	<ul style="list-style-type: none">- Add custom alarm/warning #4 and #5- Add SMEMA upstream signal CEID and SVID for SECSGEM- Update heat rise rate alarm detection: disable rise rate check when PV > SP-10C- Add option to display temperature on overview- Add "Help" button to warning/alarm message display- Add French and Hungarian languages- Add board length and board smema spacing parameters to recipe file- Add custom O2 PPM sampling option using single channel open loop O2 analyzer; includes high PPM warning setup per sampling port-