PRODUCT BULLETIN

CUSTOMER NAME	**ALL CUSTOMERS**		
MODEL AFFECTED	**CDB, CNB, DAL, PDB, PHB, PKB, PKM, PMB, PSB, PTB, PLB, PSS SERIES**		
PROCESS CHANGE ORDER #	**PB202105001**	**IMPLEMENTATION DATE**	**14 MAY 2021**

DESCRIPTION OF CHANGE: GUI programming software update to Revision 2.0.9

CUSTOMER CONTACT	**MARC MCANDREW (Marc@erp-power.com)**
DATE OF NOTIFICATION	14 MAY 2021

DESCRIPTION OF CHANGE: ERP has upgraded its programming software to GUI revision 2.0.9.

ERP offers a multitude of programmable drivers. These drivers offer customers the ability to modify output current and customize the driver's dimming profile. In order to modify these settings, customers need to download the ERP customer GUI, or Driver Configuration Tool, from the ERP website. ERP is constantly working to make the customer GUI more user friendly and to widen its application.

The most recent release of the customer GUI (2.0.9) is focused on functionality of the GUI with the NTC functionality of the PKM series. A Negative Temperature Coefficient (NTC) thermistor can be used with the PKM series in order to limit its output power at elevated temperatures. In order to use the customer GUI to program this functionality, customers will need to use ERP's programming cable, which can be ordered using the part number PROG-JACK-USB. The following values can be set with the ERP GUI, which enables the user to adjust output current and dimming profile:

External NTC Functionality: Allows user to disable functionality, enable functionality, or enable functionality with a flashing effect when in the derated region

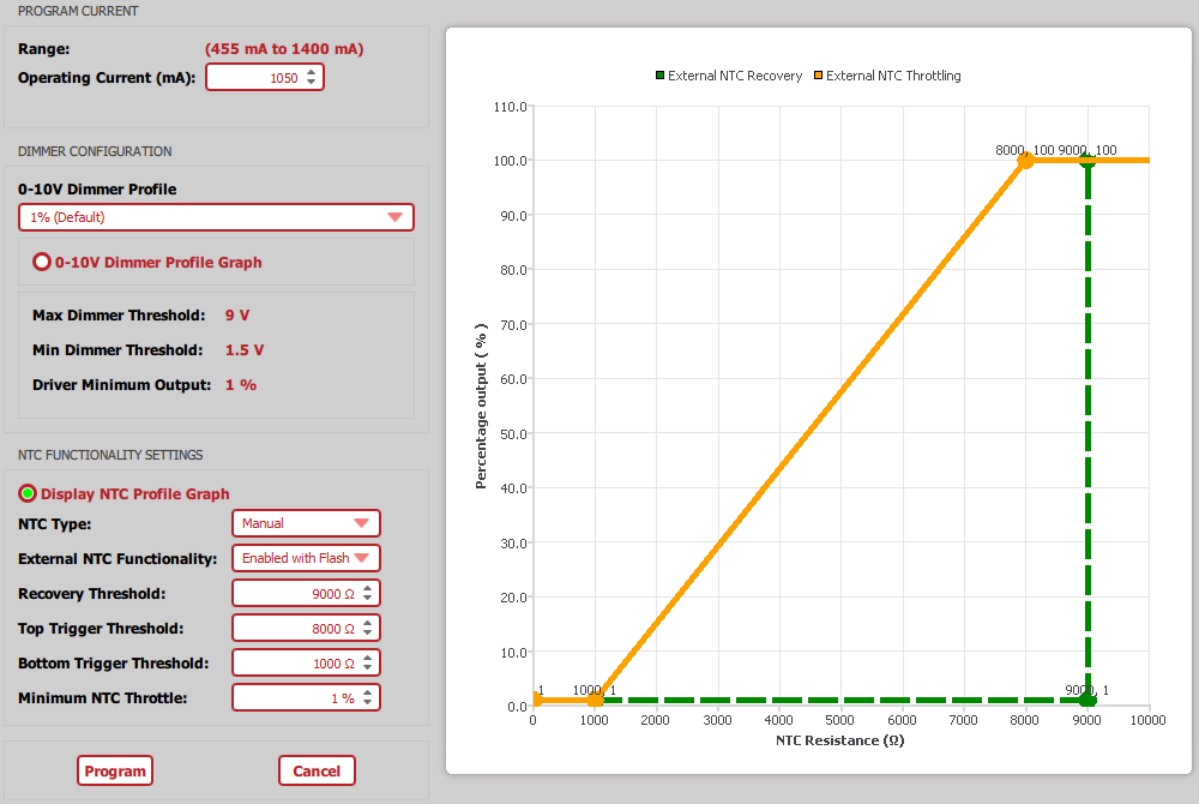
Recovery Threshold: Value at which driver returns to 100% output

Top Trigger Threshold: Value at which driver begins derating output current

Bottom Trigger Threshold: Value at which driver reaches minimum percentage of output current

Minimum NTC Throttle: Percentage of output current at and below Bottom Trigger Threshold

By default, the PKM series has external NTC functionality disabled, and utilizes the internal overtemperature protection outlined in section 7. Figure 4 below shows the default values of the PKM series' external NTC functionality. Resistor values can be customized from 200 – 20,000 Ω.



Additionally, the latest GUI revision introduces a number of changes to increase visual clarity and to provide minor bug fixes and stability improvements.

A complete list of changes is detailed below:

1. Added NTC programmability for PKM series.
2. Fixed NTC configuration menu items when a configurable dimming and configurable NTC driver is connected.
3. Added toggle button to switch between viewing the NTC profile graph and dimmer profile graph.
4. Added support for larger flash memory FW updates.
5. Fixed DPI scaling for the TRIAC, 0-10 V and NTC graph views.
6. Fixed dimmer graph touching 0,0 origin point even if dim to off is disabled.

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ERP part numbers affected by revision 2.0.9

CDB260W-0860-400-R	PKB65W-1800-55-TD	PSB40W-1400-27
CDB260W-0860-400-W	PKM30W-1050-55-SD	PSB50E-0550-85-T
CDB260W-1300-280-R	PKM30W-1050-55-TD	PSB50E-0850-56-T
CDB260W-1300-280-W	PKM50W-1400-55-SD	PSB50E-1200-42
CDB260W-1700-210-R	PKM50W-1400-55-TD	PSB50E-1200-42-T
CDB260W-1700-210-W	PLB15W-0300-38	PSB50E-1400-34-T
CNB30W-0600-42-SIL	PLB30W-0600-38	PSB50W-0550-85
CNB50W-1200-42-SIL	PLB50W-1200-38	PSB50W-0550-85-S
DAL30W-0600-42-T	PMB260W-1700-210	PSB50W-0850-56
DAL50W-0850-56-T	PSB30E-0700-34-T	PSB50W-0850-56-S
DAL50W-1200-42-T	PSB30E-0700-42	PSB50W-1200-42
PDB260W-0860-400	PSB30E-0700-42-T	PSB50W-1200-42-S
PDB260W-1300-280	PSB30E-1050-27-T	PSB50W-1400-34
PDB260W-1700-210	PSB30W-0700-34	PSB50W-1400-34-S
PHB30W-0500-42	PSB30W-0700-34-S	PSS30W-0500-42
PHB30W-0700-42	PSB30W-0700-42	PSS30W-0700-42
PHB50W-0850-56	PSB30W-0700-42-S	PTB15W-0350-42
PHB50W-1200-42	PSB30W-1050-27	PTB30W-0500-42
PKB30W-1050-55-TD	PSB30W-1050-27-S	PTB30W-0700-42
PKB50W-1400-55-TD	PSB40E-1400-27-T	

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