

Outdoor Dimming Driver

GED150MC/VD1P1050S; SAP: 95014246; PC: 37324

GED150MC/VD1P700S; SAP: 95014247PC: 37323

Description: 150W 0.7/1.05A DALI/Dimmable/Programmable PSU

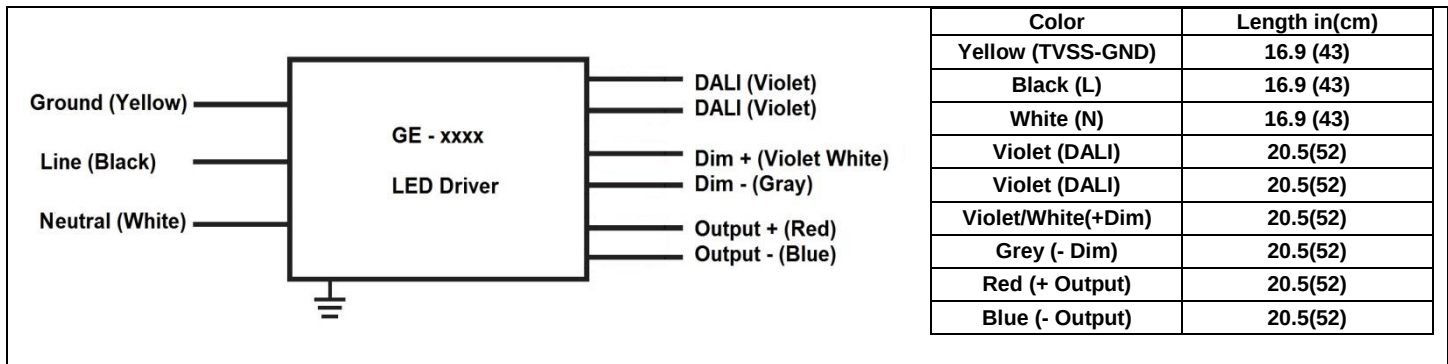
Description: 150W 0.3/0.7A DALI/Dimmable/Programmable PSU

Input Voltage: 120V/277V

Input Frequency: 50/60Hz

ROHS Compliant: Yes

Max Output Power (W)	Output Current (A)	Output Voltage (V)	Efficiency Full load	Max Input Current (A)	Max THD @68W Output	Min PF @120V/ 68W @230V/ 68W @277V/ 90W	Max Inrush Current (A)	Surge Protection (kV/kA)	Isolated Dimming				Weight (lbs/kg)	IP Rating
									Protocol		Current Source	Dimming Range @full load		
150	Programmable, max 0.7-1.05	70-215	>90%	1.5 @120V 0.6 @277V	20%	>0.9	60	10 / 5	DALI	0-10V	0.5mA	100%-10%	0.9Kg	IP66
150	Programmable, max 0.3-0.7	100 - 290	>90%	1.5 @120V 0.6 @277V	20%	>0.9	60	10 / 5	DALI	0-10V	0.5mA	100%-10%	0.9Kg	IP66



Physical

- Unit must be installed within an electrical enclosure.
- Enclosure wiring must be rated to 600V & 105°C or higher.

Performance

- The unit is classified as Class 1 as stipulated in UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable case temperature: 85°C.
- For reliability and failure rate information, contact LED Outdoor Electronics Team
- Thermal overload protected Drivers. The unit will reduce output current if the case temperature exceeds 85°C.
- The unit is UL certified for operation in dry/damp locations (Outdoor Type 1).
- The unit is tolerant of extended open circuit and short circuit conditions.
- The unit is compliant to FCC Title 47 Part 15 Class A
- The unit is resistant to surges as per IEEE/ANSI C136.2-2015 Location C (10kV/5kA) and EN61000-4-5:2006 (10kV/5kA)

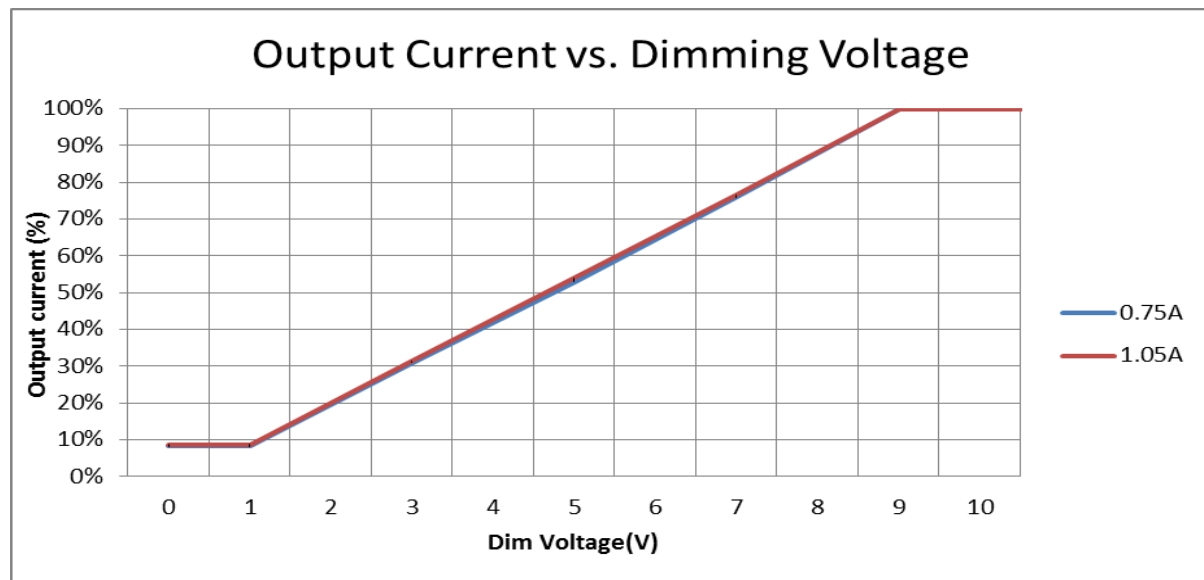
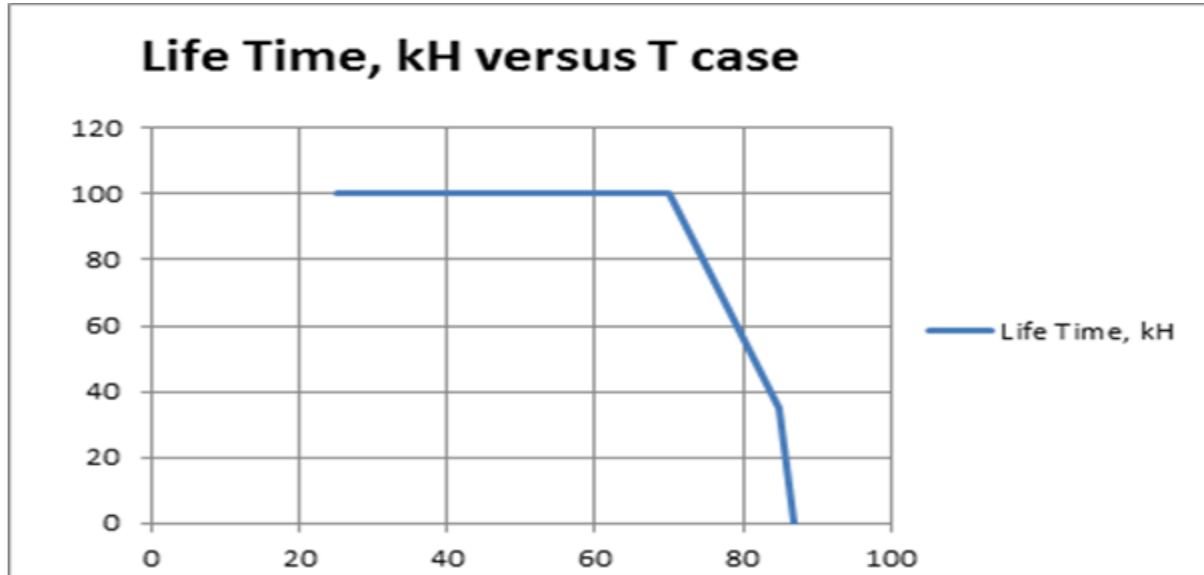
Programmable Features

- Output current
- Dimming Level
- Constant Light Output
- Clock Dimming

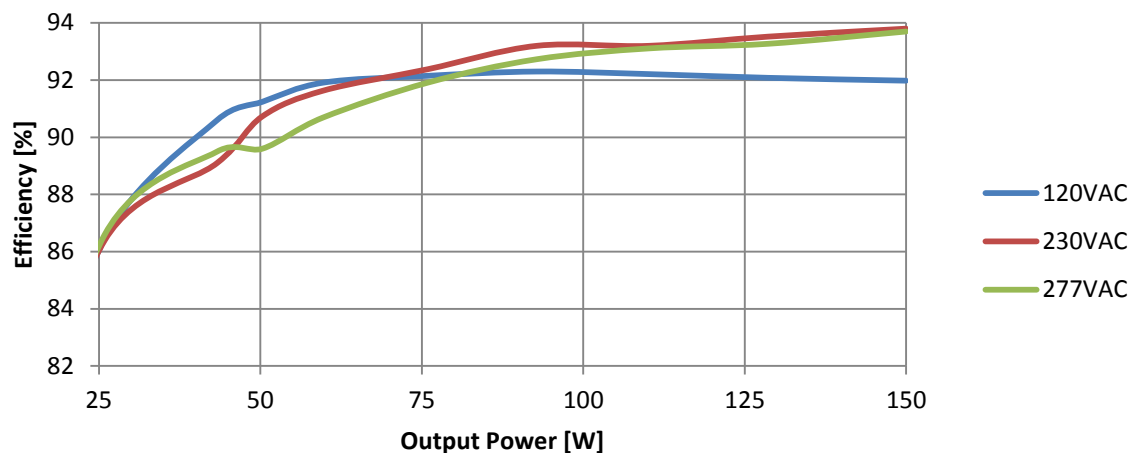
UL Conditions of Acceptability – E340135

- The unit has been examined to comply with Class 1 Output Criteria
- The unit is only to be used in dry or damp locations
- The metal case must be connected to **EARTH**.
- TVSS-GND (Yellow wire) shall be connected to fixture ground after hi-pot test using closest tab screw. **THIS IS NOT A SAFETY GROUND!**

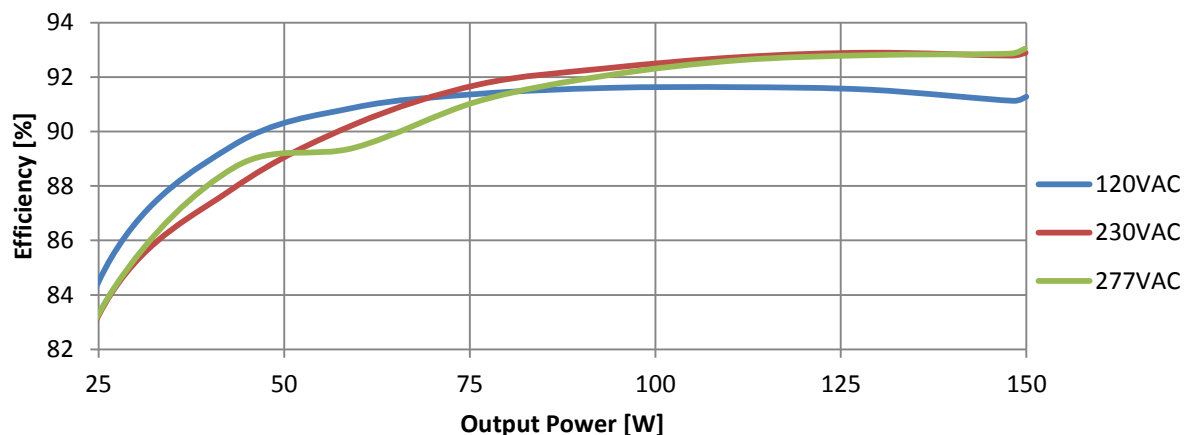
Technical Information



Efficiency versus Output Power 0.3/0.7A

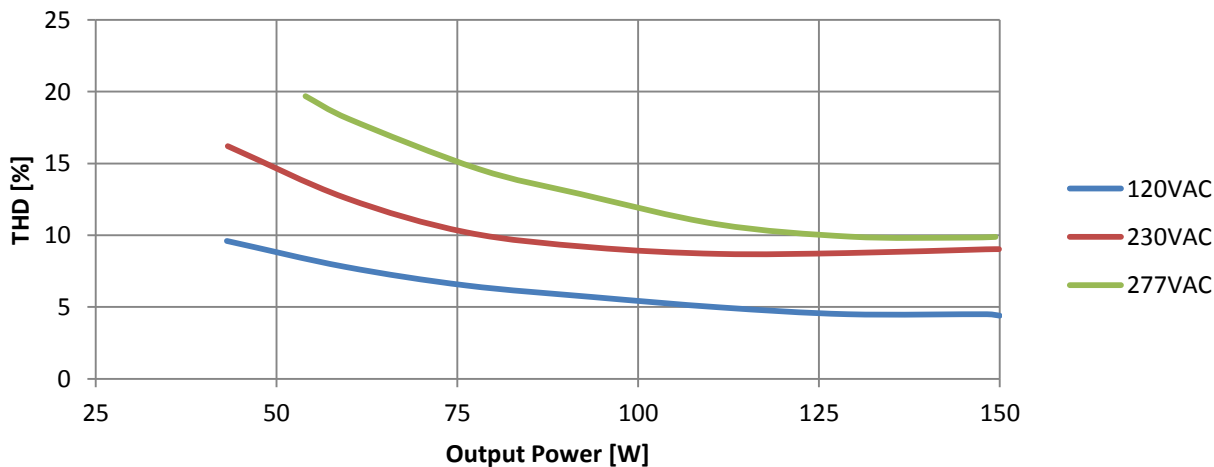


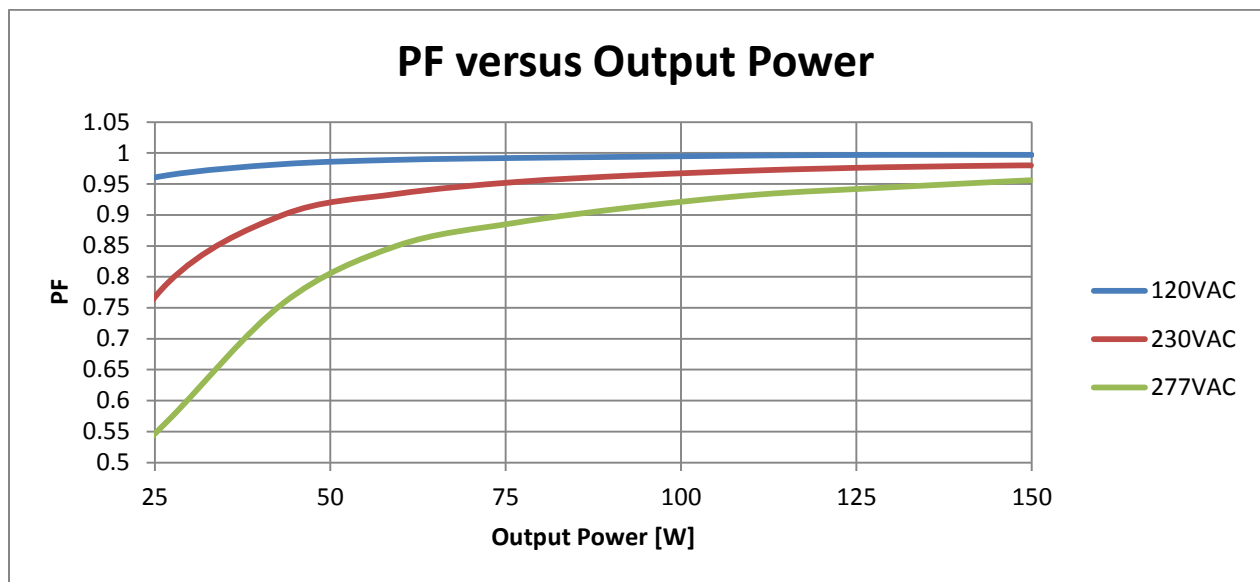
Efficiency versus Output Power 0.7/1.05A



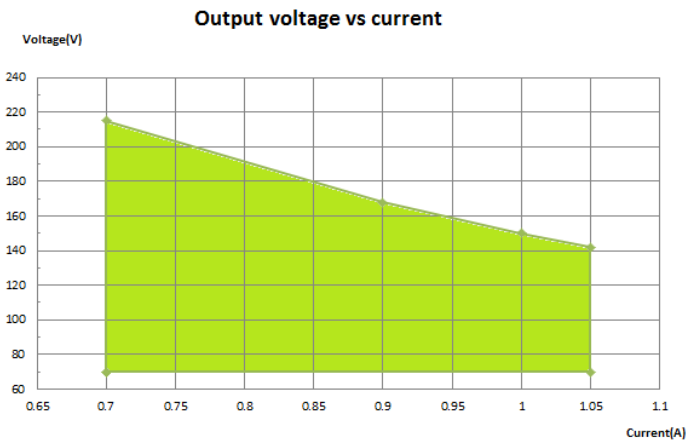
Note: LED Load was used. Power variation was made by dimming.

THD versus Output Power

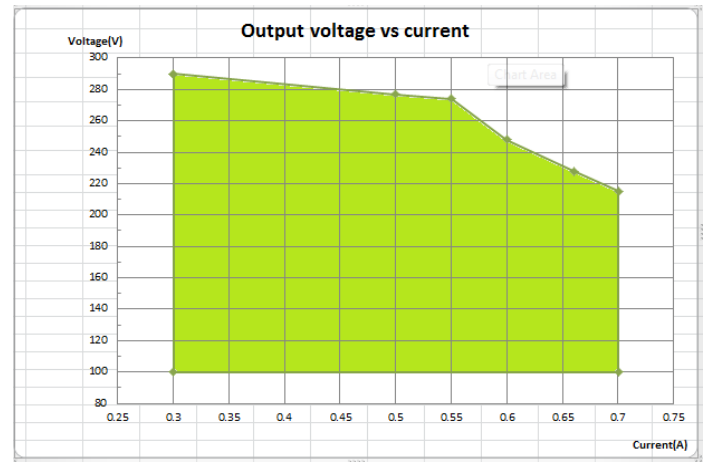




GED150MC/VD1P1050S



GED150MC/VD1P700S



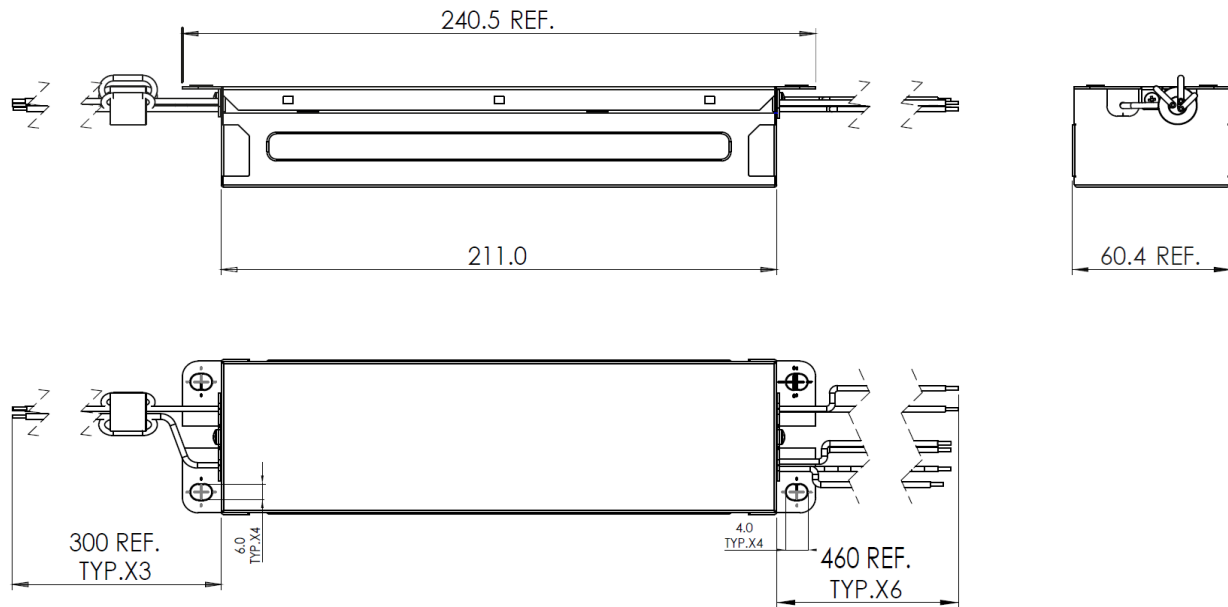
Input Inrush Current

Input Voltage [V _{rms}]	Peak Current Pulse [A _{pk}]	Pulse Duration (50% of Peak) [ms]
277	118	0.1

Input Ground Leakage Current

Input Voltage [V _{rms}]	Leakage Current (mA)
240, 60Hz	0.56

Product Dimensions



Product Label Example

 UltraMax™ Programmable LED Driver GED150MC/VD1P1050S PC:37324 SAP:95014246  37324	INPUT Voltage 120-277 VAC 50/60 Hz Current 1.5 Amps PF>0.95 OUTPUT 280VDC Max 1050mA Max Output 150 Watts 22mm 135mm BOTTOM SIDE 85°C t_a=50°C Class 1 Power Supply White (L) Black (N) Yellow (TVSS) DALI DIM OUT Violet Violet Violet White(+) Gray(-) Red (+) Blue (-) S/N: SCHR WARNING / AVERTISSEMENT Risk of electrical shock. Disconnect power before servicing or installing product. Risque de choc électrique. Couper l'alimentation avant le dépannage ou avant l'installation du produit.	120-277V 120-277V DALI and 0-10v Dimmable LED Driver Min Start Temp -40°C Thermal Protection Protection Thermique Class 1 Firmware U7 Firmware U6 FCC Part 15, Non-Consumer High Power Factor Sound Rated A Product is compliant with material restriction requirements of RoHS. Install and ground per National Electric Code For Dry or Damp Locations	Made in China, Designed & Distributed by General Electric Co. GE Lighting Nela Park, Cleveland, Ohio 44112 UL E322460 DALI For assistance call: 1-888-MYGELED
 UltraMax™ Programmable LED Driver GED150MC/VD1P700S PC:37323 SAP:95014247  37323	INPUT Voltage 120-277 VAC 50/60 Hz per UL Current 1.5 Amps per UL PF>0.95 OUTPUT 360VDC Max 700mA Max Output 150 Watts 22mm 135mm BOTTOM SIDE 85°C t_a=50°C Power Supply Yellow (TVSS) Black (L) White (N) DALI DIM OUT Violet Violet Violet White(+) Gray(-) Red (+) Blue (-) S/N: SCHR WARNING / AVERTISSEMENT Risk of electrical shock. Disconnect power before servicing or installing product. Risque de choc électrique. Couper l'alimentation avant le dépannage ou avant l'installation du produit.	120-277V 120-277V DALI and 0-10v Dimmable LED Driver Min Start Temp -40°C Thermal Protection Protection Thermique Class 1 per UL Firmware U7 Firmware U6 FCC Part 15, Non-Consumer High Power Factor Sound Rated A Product is compliant with material restriction requirements of RoHS. Install and ground per National Electric Code For Dry or Damp Locations	Made in China, Designed & Distributed by General Electric Co. GE Lighting Nela Park, Cleveland, Ohio 44112 UL E322460 DALI For assistance call: 1-888-MYGELED

Current Programming Interface

Firstly open the software(DALI_NEW_API) and click the Bank2 sheet, then put the value to be programmed (between 0 to 100%) into the Value box for Current to Program of Bank 2 GE Use , finally click the set button to complete the programming of driver.

The screenshot shows the 'Bank 2' tab selected in the software interface. The interface is divided into two main sections: 'Bank 2 Header' and 'Bank 2 GE Use'. The 'Bank 2 Header' section contains fields for 'Address of last accessible memory location', 'Check Sum', and 'Lock Byte'. The 'Bank 2 GE Use' section contains fields for 'Current Programming', 'Default Power Value', and 'Device Mode'. At the bottom, there are three buttons: 'Clear All', 'Read Bank 2', and 'Set'.

Red arrows point to the following elements with instructions:

- 1st. Click here: Points to the 'Bank 2' tab in the top navigation bar.
- 2nd. Set the current percentage you want: Points to the 'Value' field for 'Current Programming' in the 'Bank 2 GE Use' section.
- 3rd. Choose the Dali mode or 0-10V mode: Points to the 'Device Mode' section, specifically the '0-10V mode' radio button.
- 4th. Click the set button: Points to the 'Set' button at the bottom right.

	Value	HEX
Address of last accessible memory location:	9	0x09
Check Sum:	0xB0	0xB0
Lock Byte:	170	0xAA

	Value	HEX
Current Programming:	52 %	0x02 0x1E
Default Power Value:	16056470	0x00 0xF5 0x00 0x96

Device Mode:

- ☒ 0-10V mode
- ☐ DALI mode
- ☐ ClockDIMM mode

Buttons: Clear All, Read Bank 2, Set