

Generation 3 Controller Advanced Programming Guide

August 24, 2022

v1.0.9

Technical Brief

G3 Status LED's



INNOVATION

A Caldwell Company

G3 Advanced Programming Guide

Part Number(s): 28C0030(G3), 28C0061(RCM), 29C0052(RS485)

Tech Brief – G3 Status LED's

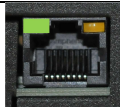

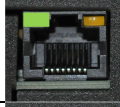
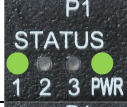

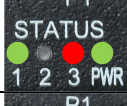
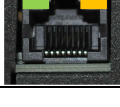

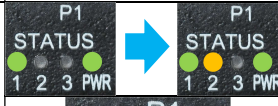

Overview

The G3's status LED output has changed over the years and with each firmware revision, the LED's have played an increasingly important role for manufacturing, installation and system debug in the field. This document shows the different color patterns for each factory release and what they mean.

As general rule, the LED's are only updated one time during the boot process. If a system configuration, or firmware update has been performed, **the controller must be power cycled for the LED's to indicate the new status.**

Supported User Levels

- ☐ User
- ☒ Installer
- ☒ Developer
- ☒ Factory

Release Version	Release Date	Indication	G3 Home Automation Adaptor LED's	G3 Status LED's
0.7.5	Aug 22, 2022	First Dual Motor release		
		Single Motor Configuration (Home Automation Adaptor is optional)		
		Dual Motor, Primary Controller		
		Dual Motor, Primary Controller (Secondary Communication ERROR)		
		Dual Motor, Secondary Controller		
0.7.2	Mar 11, 2021	TLE Mitigation release. At boot we have a G & G pattern which changes to G, Y and Green	Compatible with a firmware update to v0.7.5.	
0.7.1	Aug 26, 2020	Default parameter changed		
0.7.0	Aug 21, 2020	Initial "Special Features" release		
0.6.7	Dec 3, 2019	First release for the K12 CPU		
0.5.91	Dec 3, 2019	First release for the K02(discontinued)	Not Supported	

Home Automation Adaptor



This adaptor is a new accessory released with the G3D "Dual" system. Its primary function is to provide a communication port to allow the Primary controller to communicate with the Secondary. When attached to any

G3 K12 system, including single & dual, it provides a "Home Automation" dry relay contact interface. Home automation connections no longer require a RS485 GPIO adaptor.



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