

G3 Programming

Part Number(s): 28C0016 (K02 & K12)

G3

v0.5.91 / v0.6.7



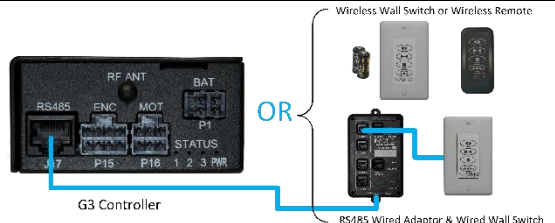
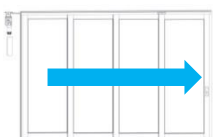



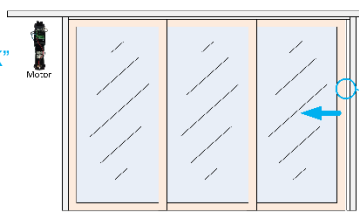
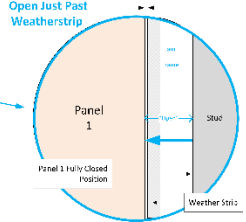
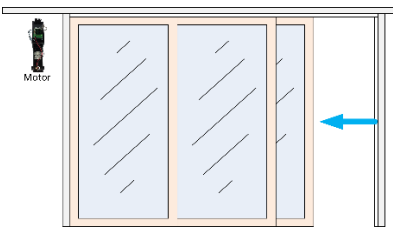
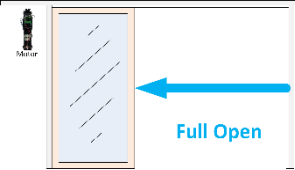
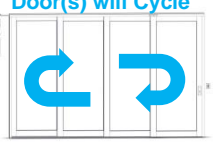
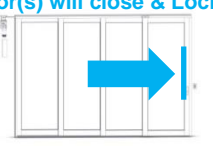


G3 Programming for One-Way & Bi-Part Doors

Initial Wiring

Programming

CLI [Optional]

1	<p>Turn the controller OFF. Connect 10 Pin/Molex cable. Connect the AC power cord.</p>		
2	<p>Use a wireless OR wired wall switch. Wireless components purchased with G3 controller, will be pre-paired at the factory.</p>		
3	<p>Manually close the door. Power on the G3 Controller. Wait for the motor/brake "click"...</p>		 <p style="color: #0070C0; font-weight: bold;">Wait for the "click"...</p>
4	<p>Using a wall switch or remote, press and hold the "Stop" button until after motor "clicks" twice (about 15s).</p>	 <p style="color: #0070C0; font-weight: bold;">"CLICK"</p>	 <p style="color: #0070C0; font-weight: bold;">OR</p> <p style="color: #0070C0; font-weight: bold;">Use the CLI to send the command "b autoseup"</p>
5	<p>Open the first panel about 1/4" – 1/2". (Just enough to clear the Jam) Wait for the motor to "click" (~5s).</p>		
6	<p>Manually open the door about 1 foot. After about 5 seconds, the door will move about 4 inches then... Wait for the motor to "click" (~5s).</p>		
7	<p>Manually open the door to its "full" open position. After 10 seconds the doors will begin to close automatically...</p>	<p style="color: #0070C0; font-weight: bold;">Fully OPEN the door(s)</p> <p style="font-size: 0.8em;">Note: Movement of the door to full open does not have to be one continuous movement. The installer can pause (less than 10s), then continue the push.</p>	
8	<p>Self-Learn Process: The door will open and close several times. When complete, the door will be closed and locked. Programming is complete.</p>	 <p style="color: #0070C0; font-weight: bold;">Door(s) will Cycle</p>	 <p style="color: #0070C0; font-weight: bold;">Door(s) will close & Lock</p>



Opt Command Line Interface (CLI) – [OPTIONAL]

The CLI can be used to program special functions, parameters, and settings to adjust door operations. For most installations CLI adjustments are not required. The CLI provides 2 help screens via the commands “help” and “config all”. These screens list all the CLI commands/parameters available to the installer. Refer to the full installation manual for instructions on how to access the CLI using a programming cable or wirelessly via Bluetooth (requires an RS485 module). ✓ A password is required for most commands and is provided during training or via technical support.

	P W	Full Command	Shortcut	Description
HELP Commands		“help”	“h”	Displays informational commands such as door position “pos”
	✓	“brake #”, “clutch #”	“brake #”	“brake/clutch 0” disengages the brake/clutch, while “1” engages brake/clutch
	✓	“button OP”	“b OP”	Simulates a wall switch/motion operation. Operations include “open”, “close”, “stop”, “unlock”. Sending the command “b motion” simulates a motion signal and will stop the door if it is closing. The command “b autoseup” initiates the programming sequence.
		“rst #”		Reboot the controller i.e. “rst 0” or show other options with “rst”.
	✓	“pos”		The help command “pos” shows the doors current position in inches. If a door is set to <i>bipart</i> , this distance will be doubled. Refer to “c drtp”.
	✓	“ap”, “cp”, & “er”		Position commands by encoder counts. “ap” reports the current actual position, “cp” reports the commanded position while “er” is the error difference. Not affected by door type, i.e. oneway or bipart.
	✓	“erasecfg”		Erases the current configuration and the door must be reprogrammed.
	✓	“erasepro”		Erases “learned” friction profiles for the door. Door will relearn without reprogramming.
		“pwd”	“p password”	View or enter the access password. Most commands require the “installer” password.
	“version”	“v”	Displays the controller’s firmware version.	
CONFIG Commands	✓	“config all”	“c all”	Displays all configurations commands, their current value, range and default values. All config commands such as this one, can be executed using the command “config all” or its abbreviated syntax “c all”
	✓	“config changed”	“c changed”	Displays all <i>config</i> parameters that have been changed from their default values. A programmed door will show “Position Jam Entry(pje)” and “Position Open Full(pop)” as changed.
	✓	“config PARAM”	“c PARAM”	Displays a parameter’s current value. i.e. “c osp” will display the current open speed setting in inches per second. 6” per second.
	✓	“config PARAM reset”	“c PARAM reset”	Resets a CMD to its default value. i.e. “c osp reset” will reset the open speed to its default 6” per second.
	✓	“config drtp OP”	“c drtp OP”	Gets or sets the door type to “oneway” or “bipart”. i.e. “c drtp bipart”
	✓	“config pdia #”	“c pdia #”	Gets or sets the motor pulley diameter in inches. i.e. “c pdia 1.7988”
	✓	“config osp #”	“c osp #”	Gets or sets the Open speed in inches/sec. i.e. “c osp 8.0”
	✓	“config csp #”	“c csp #”	Gets or sets the Close speed in inches/sec. i.e. “c csp 2.5”
	✓	“config pop #”	“c pop #”	Gets or sets the door’s “full” open position. Can be used to shorten a door’s full open position but will require a reprogram to reset back to full.
	✓	“config acco #”	“c acco #”	Gets or sets the number of seconds the door takes to ramp up to full speed from the fully <i>closed</i> position.
	✓	“config accc #”	“c accc #”	Gets or sets the number of seconds the door takes to ramp up to full speed from the fully <i>open</i> position.
	✓	“config deco #”	“c deco #”	Gets or sets the number of seconds the door takes to ramp down to full stop when the door is closing (approaching full open).
	✓	“config decc #”	“c decc #”	Gets or sets the number of seconds the door takes to ramp down to full stop when the door is opening (approaching the jam)
✓	“config kp #”	“c kp #”	Gets or sets the PI term “p” (gain). Contact service for more information.	
✓	“config ki #”	“c ki #”	Gets or sets the PI term “i” (error). Contact service for more information.	