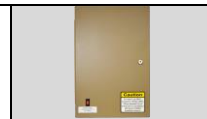


G1 v4021 Programming

Part Number(s): 28C0007(G1), 28C0009(G1D), 20K0062(IDEK HMI LCD)




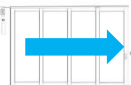
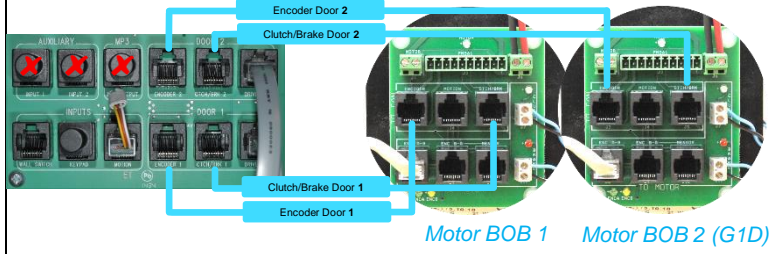

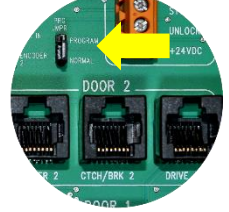
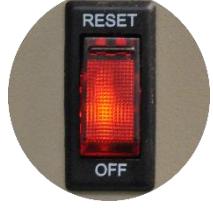

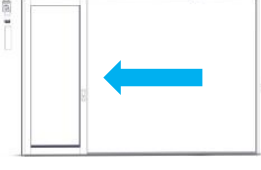
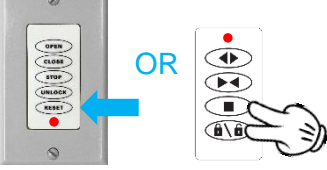
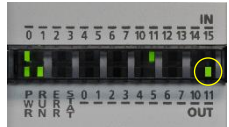
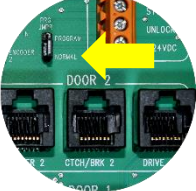
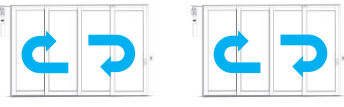

G1x

v4021



Programming with v4021 Firmware

This procedure assumes a pre-existing install, NOT A NEW INSTALL. See next page for a NEW INSTALL

1	Turn the controller <u>OFF</u> Disconnect the battery... and plug in the AC power cord	  <i>Negative terminal on bottom battery</i>	
2	<u>Manually CLOSE</u> the doors		
3	Verify the Brake/Clutch, Encoder and Motor wires are correctly labeled & connected between the controller & motor break-out-board(s) (BOB). <i>Motor wires not shown</i>	 <i>Motor BOB 1 Motor BOB 2 (G1D)</i>	
4	Attach a wired wall switch Attach motion jumper to the motion port.		
5	On the controller, move the "PRG JMPR" to <u>PROGRAM</u> Power <u>ON</u> the controller RESET = ON The wall switch LED should be illuminated	 	
6	<u>Manually OPEN</u> the doors then... On the wall switch press <u>RESET</u> for 15 seconds <i>If there is no RESET button, press STOP & UNLOCK at the same time</i>	 <i>Fully open the doors</i>	 <i>Reset the Controller</i>
7	On the PLC, the LED 11 Out (bottom row) should be illuminated. On the controller, move the "PRG JMPR" to <u>NORMAL</u>	 <i>LED 11 on the bottom row should be ON</i>	
8	Cycle to door at least <u>2 times</u> to verify and "set" the program Reconnect the battery Programming is complete		 <i>Negative terminal on bottom battery</i>

G1 v4021 Programming

Part Number(s): 28C0007(G1), 28C0009(G1D), 20K0062(IDEK HMI LCD)

G1x

v4021



*If this is a **NEW** install, you should check all wiring before power on*

1	<p>Before Power ON:</p> <ol style="list-style-type: none"> 1. VERIFY ALL 26/8 Flat Wire are wired 1 to 1 using a Klein network tester. 2. Verify D1 controller is actually wired to the D1 motor. Same for D2. 3. Verify the encoder on the motor is attached to the ENC A-B or B-A connector on the BOB board(s). 	
2	<p>DO NOT attempt to operate the door until completing the Encoder & Motor polarity checks below!</p> <p>Encoder Polarity Check</p> <ul style="list-style-type: none"> • Program the system using Steps 1-7 on the previous page. • After programming, previous page steps 1-7, manually move the door to the fully closed position. If the magnetic lock engages, the encoder is CORRECT for this door. • <i>If this is a G1D, dual motor, close the second door and check its magnetic lock.</i> • If a door does NOT lock, swap the encoder cable on the BOB board on the offending door (ENC A-B to ENC B-A and vice versa) • Once the door(s) pass the encoder check, move on to the Motor Polarity Check. 	<p>Swap ENC-A to ENC-B</p>
2a	<p>Alternate Encoder Polarity Check using</p> <ul style="list-style-type: none"> • Install the <i>optional</i> IDEK HMI LCD Module (FC4A-PH1) • Program the system using Steps 1-7 on the previous page. • At the “VER 4021” screen, press ▼ ▼ ▼ “Ok”, “Ok”, select D0000, D0001 or D0002, then “Ok” for the encoder count. • With an encoder count displayed, manually open the door and verify the count increments. It should also decrement on close. • If there is no count, is erratic, or randomly resets, power off the controller, swap the encoder cable at the BOB board as shown in step 2 and recheck. <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"> <p>G1 Door 1 (D0000)</p> </div> <div style="text-align: center;"> <p>G1D Door 1 (D0001)</p> </div> <div style="text-align: center;"> <p>G1D Door 2 (D0002)</p> </div> </div>	
3	<p>Motor Polarity Check</p> <ul style="list-style-type: none"> • If not done already, program the system using Steps 1-7 on the previous page. • Move the lead panel(s) to the middle of the span. • Press CLOSE, and observe the direction the door(s) move. • If the door(s) move in the WRONG direction, press STOP and reverse the Black & Red motor wires on the motor(s) that moved in the wrong direction. 	<p>The motor polarity can be swapped inside the controller OR at the BOB.</p>
4	<p>Press CLOSE on the wall switch. Doors should close and lock.</p> <p>In case of power loss and the doors do not operate OR are locked in an open position:</p> <ul style="list-style-type: none"> • Press UNLOCK on the wall switch • Manually close the doors • Press RESET or STOP & UNLOCK for 15 seconds 	<p>Reset the Controller</p>