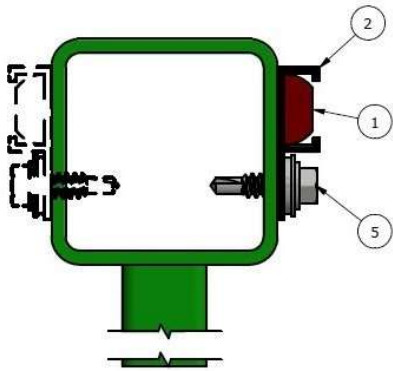


Technical Document: TD-0030
 Rev: A Date: 1-30-2024
 Ref: LED Strip Lights
 Auth: BP Checked By:

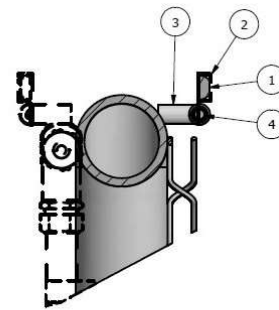
Mounting LED Lights Kit H-0549

ITEM	QTY	Part Number	DESCRIPTION
1	1	H-0492	LED STRIP LIGHT –10' Long /24VDC
2	2	H-0494	LED RETAINER TRACK w/3 Pre-Drilled Holes
3	10	H-0265	NYLON SPACER
4	10	G-0117	#12-14 x 2" HWH SELF DRILLING
5	10	G-0116	#12HWH X 3/4" TEK SCREW
6	1	H-0493	LED WIRE HARNESS – 20' Long
7	12	M-0103	CABLE TIE – 3-3/4" --Black
8	12	G-0106	#6-20 x 1/2" HWH SELF DRILLING TEK SCREWS



PICKET STYLE INSTALL

PICKET STYLE - (SQUARE TUBE FRAME),
 MOUNT CHANNEL (2) FLUSH TO FACE AS
 SHOWN USING 3/4" TEK SCREWS (5).



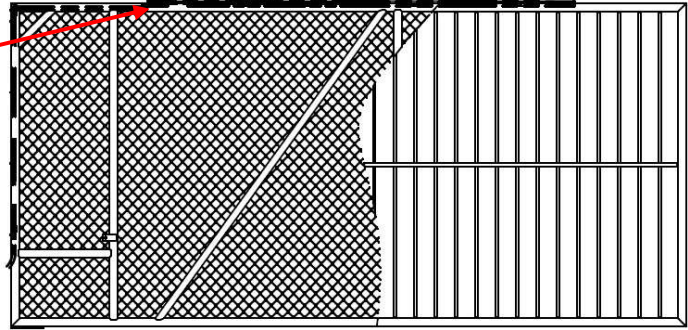
CHAINLINK STYLE INSTALL

FABRIC STYLE GATES - (ROUND TUBE FRAME),
 MOUNT CHANNEL(2) USING 2" TEK SCREWS (4)
 & SPACERS (3) TO RAISE CHANNEL ABOVE
 FABRIC.

MOUNT (2) 5' CHANNELS END TO END FOR 10' LIGHT STRIP WITH CHANNELS CENTERED AND SECURELY FASTENED TO GATE

INSERT & SLIDE LED LIGHTING STRIPS INTO CHANNEL FROM OPERATOR END AND TERMINATE WIRE INTO CABINET.

USE G-0106 TEK SCREWS AND M-0103 WIRE TIES TO FASTEN WIRE HARNESS TO THE GATE LEAVING AMPLE SLACK AT THE PIVOT POINT FOR MOVEMENT OF GATE.



Wiring Aux Outputs for LED Strip Lights

Wiring Connections to Genesis Board

Note: Outputs can handle a MAXIMUM of two 10' light strips each!

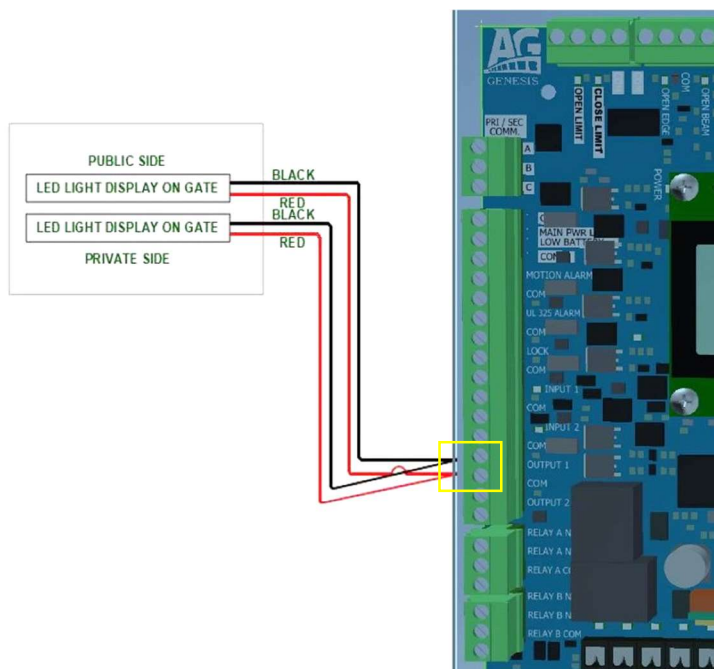
Red wire from LED Light strips to Output 1 or 2 Common

If Dual sided LEDs are used connect both **Red** wires to Output Common

Black wire from LED Light strips to Output 1 or 2

If Dual sided LEDs are used connect both black wires to Output 1 or 2

If **Blue** or **Green** LEDs are preferred substitute the **Blue** or **Green** wire for the **Red** connected to Output Common



Programming Aux Outputs for LED Lights

To program the gate lights, several settings need to be made. Under the **AUX OUTPUT OPTIONS**, a choice of action and a choice of **Normally Open** or **Normally Closed** contact. The choice of **Pulse Rate** is at the very end of the program choices. They are 2 sec., 1 sec., ½ sec., ¼ sec., and a Single 1 second Pulse. The single pulse is used when a pulse is used to open another gate or similar action. The NO/NC choice of the program is just before the Pulse Rate.

Menu Choice	NO/NC	Description
Pulse On Open Limit	NO	Lights will be OFF and only flash on the Open Limit Command
Pulse On Open Limit	NC	Lights will be ON all the time and flash on the Open Limit Command
Pulse On Close Limit	NO	Lights will be OFF and only flash on the Close Limit Command
Pulse On Close Limit	NC	Lights will be ON all the time and flash on the Close Limit
Hold On Open Limit	NO	Lights will be OFF and be ON solid on the Open Limit
Hold On Open Limit	NC	Lights will be ON all the time and OFF on the Open Limit
Hold On Close Limit	NO	Lights will be OFF and be ON solid on the Close Limit
Hold On Close Limit	NC	Lights will be ON all the time and OFF on the Close Limit
Pulse On Motor Opening	NO	Lights will be OFF - Flash when motor is running Open
Pulse On Motor Opening	NC	Lights will be ON - Flash when motor is running Open
Pulse On Motor Closing	NO	Lights will be OFF - Flash when Motor is running Close
Pulse On Motor Closing	NC	Lights will be ON - Flash when Motor is running Close
Hold On Motor Opening	NO	Lights will be OFF - ON solid when motor is running Open
Hold On Motor Opening	NC	Lights will be ON - OFF when motor is running Close
Hold On Motor Closing	NO	Lights will be OFF - ON solid when motor is running Open
Hold On Motor Closing	NC	Lights will be ON - OFF when motor is running Close
Hold On UL Alarm	NO	Lights will be OFF - ON solid when UL Alarm is ON
Hold On UL Alarm	NC	Lights will be ON - OFF when UL Alarm is ON
Hold On Motor Run	NO	Lights will be OFF - ON whenever motor is running
Hold On Motor Run	NC	Lights will be ON - OFF whenever motor is running
Hold Always	Not Used with lights	Lights would be on solid all the time!!
Pulse Always	NO/NC	Lights will pulse all the time - based on the flash rate chosen
Hold NOT On Open Limit	NO	Lights will be ON solid - OFF when on Open Limit
Hold NOT On Open Limit	NC	Lights will be OFF - ON solid when on Open Limit
Pulse NOT On Open Limit	NO	Lights will be Flashing - OFF when on Open Limit
Pulse NOT On Open Limit	NC	Lights will be Flashing - ON when on Open Limit
Hold NOT On Close Limit	NO	Lights will be ON solid - OFF when ON Open Limit
Hold NOT On Close Limit	NC	Lights will be OFF - ON solid when on Close Limit
Pulse NOT On Close Limit	NO	Lights will be Flashing - OFF when on Close Limit
Pulse NOT On Close Limit	NC	Lights will be Flashing - ON when on Close Limit
Hold NOT Opening	NO	Lights will be ON solid - OFF when gate going open
Hold NOT Opening	NC	Lights will be OFF - ON solid when gate going open

Pulse NOT Opening	NO	Lights will be Flashing - OFF when going open
Pulse NOT Opening	NC	Lights will be Flashing - ON solid when gate going open
Hold NOT Closing	NO	Lights will be ON solid - OFF when gate going close
Hold NOT Closing	NC	Lights will be OFF - ON solid when gate going close
Pulse NOT Closing	NO	Lights will be Flashing - OFF when gate going close
Pulse NOT Closing	NC	Lights will be Flashing - On Solid when gate closing
Pulse On Motor Run	NO	Lights will be OFF - Flashing when motor is running
Pulse On Motor Run	NC	Lights will be ON solid - Flashing when motor is running

Programming a Relay for Your Lighting Circuit

You can use a relay to get added functionality to your lighting circuit. See the following examples.

Menu Choice	NO/NC	Description
Pulse On Open Limit	NO	Lights will be OFF and only flash on the Open Limit Command
Pulse On Open Limit	NC	Lights will be ON all the time and flash on the Open Limit Command
Pulse On Close Limit	NO	Lights will be OFF and only flash on the Close Limit Command
Pulse On Close Limit	NC	Lights will be ON all the time and flash on the Close Limit
Hold On Open Limit	NO	Lights will be OFF and be ON solid on the Open Limit
Hold On Open Limit	NC	Lights will be ON all the time and OFF on the Open Limit
Hold On Close Limit	NO	Lights will be OFF and be ON solid on the Close Limit
Hold On Close Limit	NC	Lights will be ON all the time and OFF on the Close Limit
Pulse On Motor Opening	NO	Lights will be OFF - Flash when motor is running Open
Pulse On Motor Opening	NC	Lights will be ON - Flash when motor is running Open
Pulse On Motor Closing	NO	Lights will be OFF - Flash when Motor is running Close
Pulse On Motor Closing	NC	Lights will be ON - Flash when Motor is running Close
Hold On Motor Opening	NO	Lights will be OFF - ON solid when motor is running Open
Hold On Motor Opening	NC	Lights will be ON - OFF when motor is running Close
Hold On Motor Closing	NO	Lights will be OFF - ON solid when motor is running Open
Hold On Motor Closing	NC	Lights will be ON - OFF when motor is running Close

Examples:**Wiring:**

Black wire to output1, **Green** wire to Relay A NO, **Red** wire to Relay A NC and placing a jumper between the common of Output1 and Relay A Common.

Programming in Aux Output Options:

Relay A Mode: Hold on Open Limit

Output1 Mode: Pulse on Motor Run

Aux Output State: Out1 N-C

Output 1 Pulse Rate: ½ second

Effect:

When **closed** the LED Strip will be **Solid Red**. When the gate **starts to open** the LED Strip will **Flash Red**. When **fully open** the strip is **Solid Green**. When **closing** the strip will be **Flashing Red** again.

1 Alternative: Everything wired and programmed as above but change the **Output1 mode** to **Pulse not open Limit**.

Effect: LED strip will **Flash Red** unless the gate is fully open. Then it will be **Solid Green**.