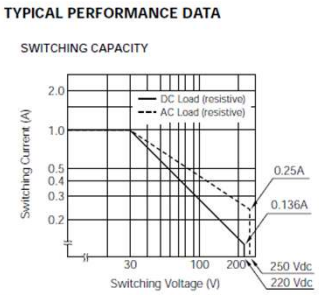
McGrath Z Chip Wiring Diagram

	Colour
+12V -24 Volts DC	Red
Ground	Black
Common (C.)	Blue
Normally Open (N.O.)	Grey
Normally Closed (N.C.)	Yellow

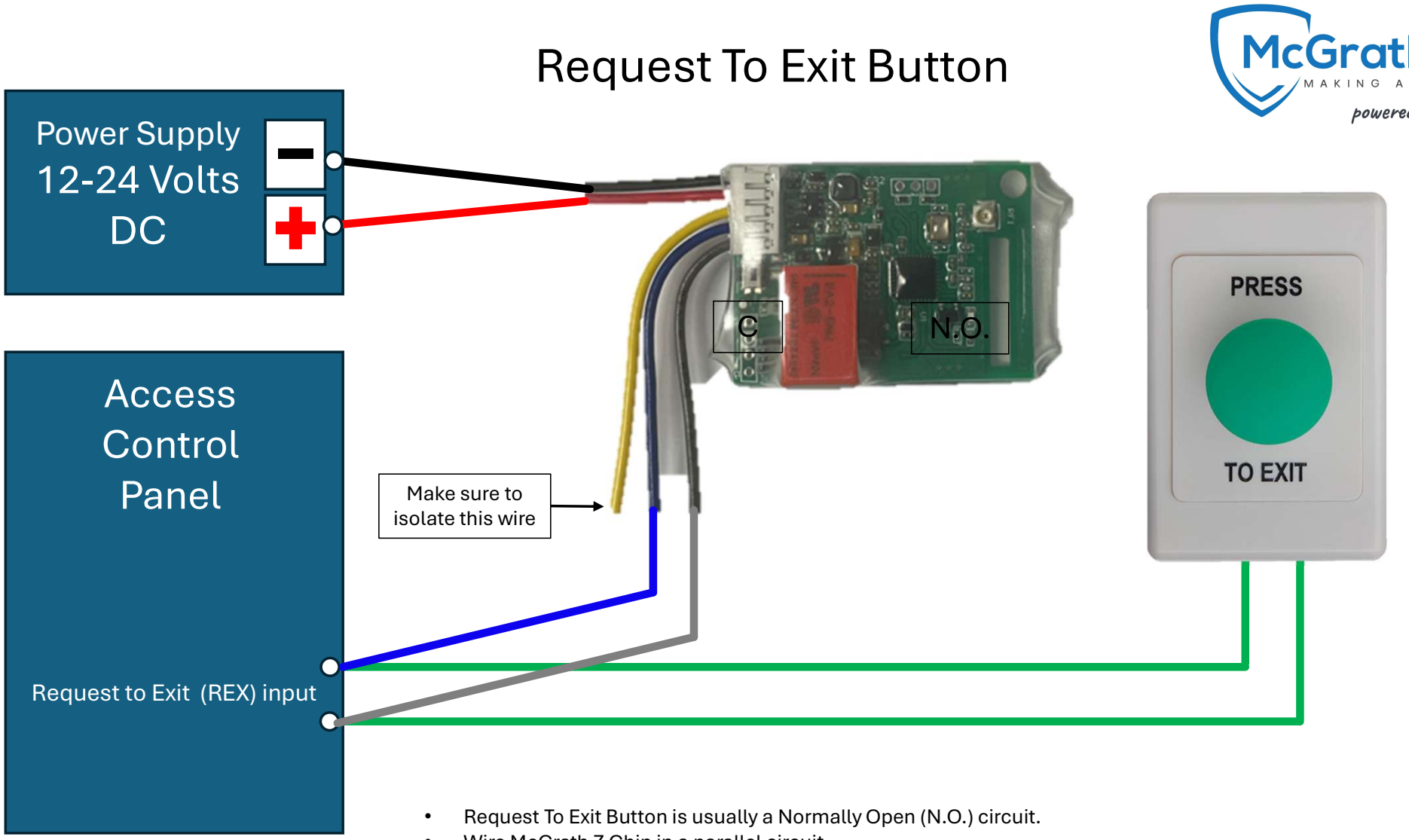
Relay
- From C (C. NO. NC.)
- Rated 1A @12VDC.
- Dry contact (No Voltage output form Relay)

Learn/Enrol/Reset Button



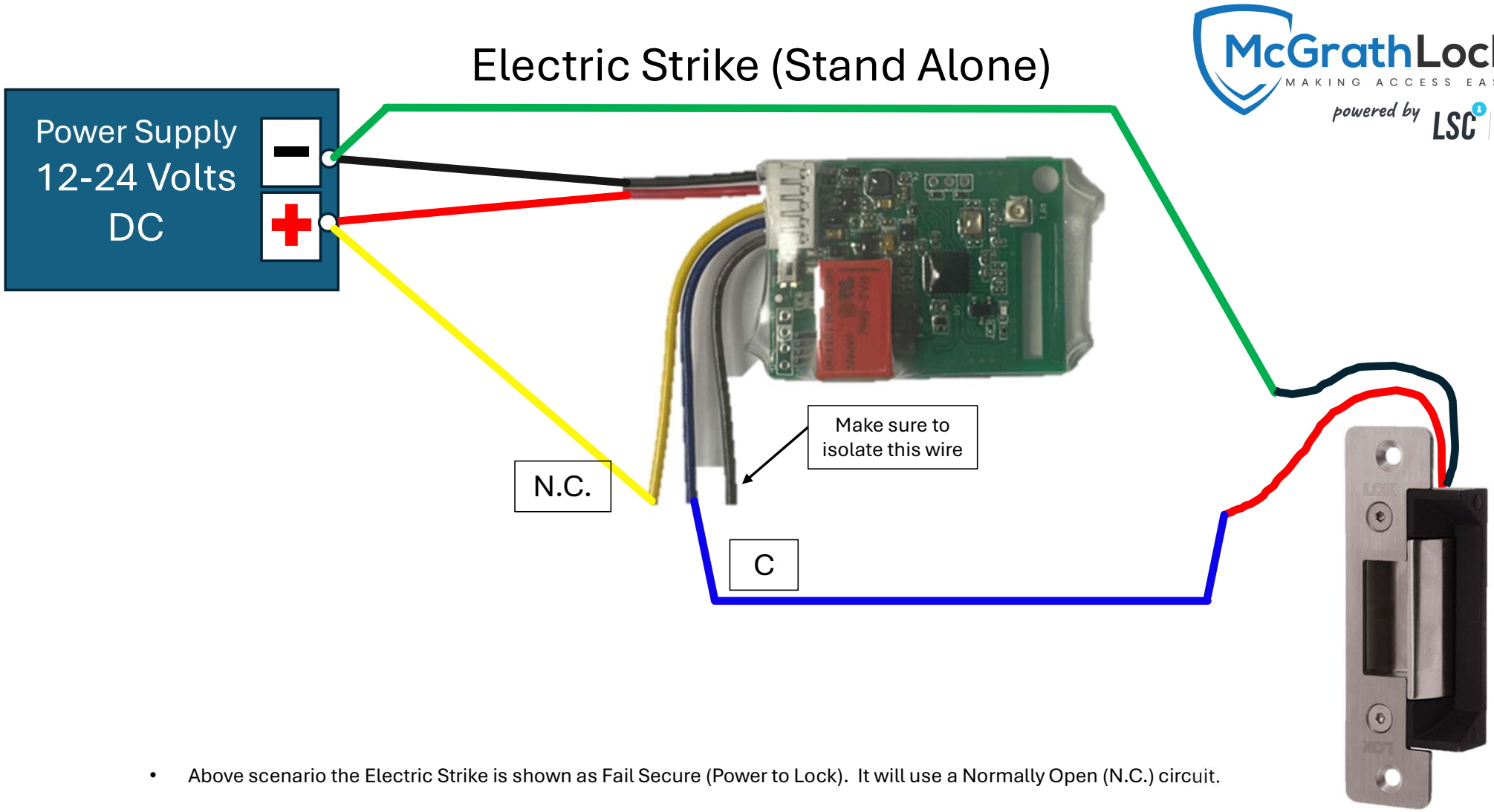
This document is intended as a guide to wiring common scenarios.
All care should be taken by installer to check individual scenarios prior to wiring in Z -Chip

Request To Exit Button



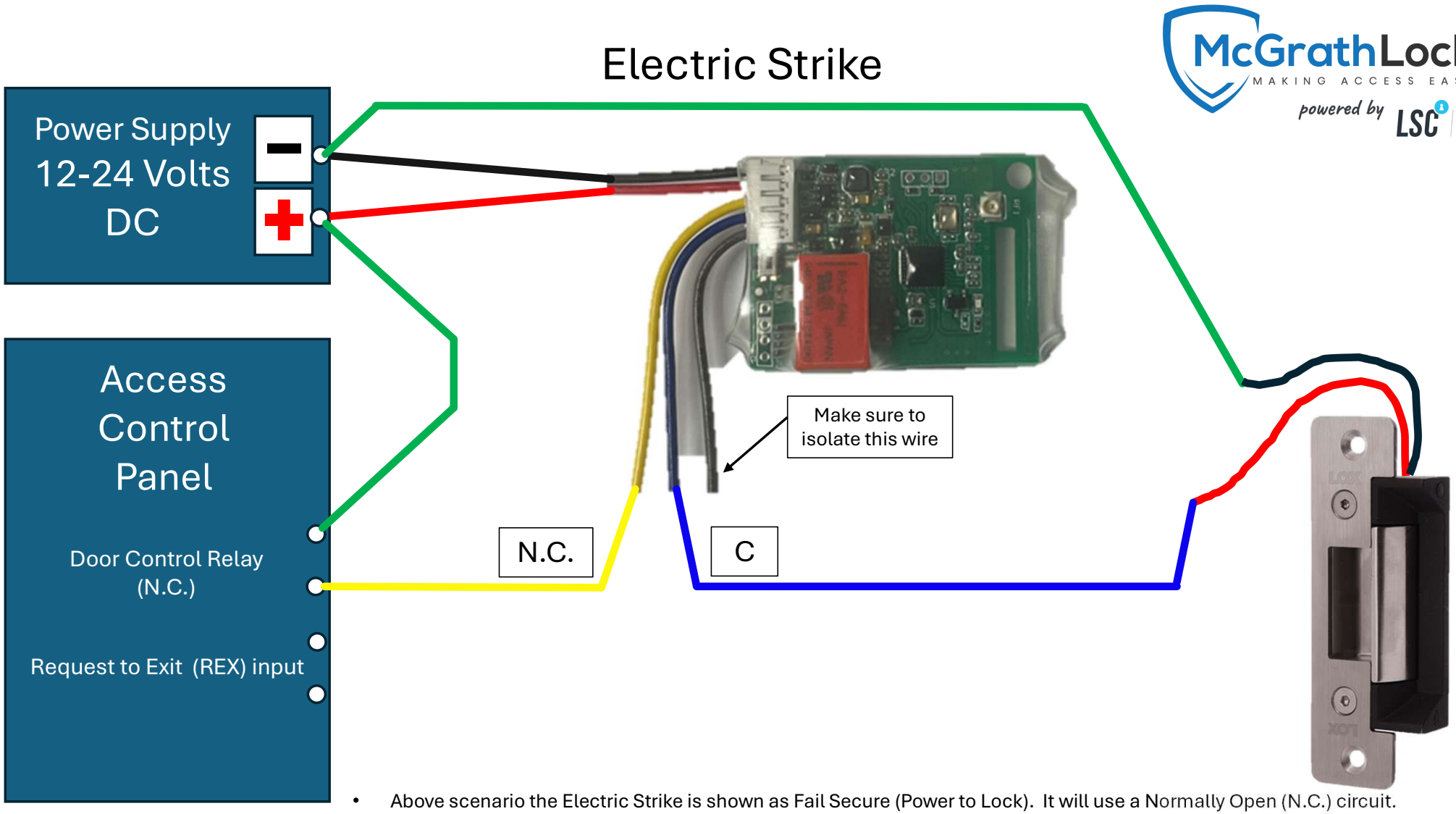
- Request To Exit Button is usually a Normally Open (N.O.) circuit.
- Wire McGrath Z Chip in a parallel circuit.
- If the Request To Exit Button is a Normally Closed (N.C.) circuit, wire the Z Chip in Series

Electric Strike (Stand Alone)



- Above scenario the Electric Strike is shown as Fail Secure (Power to Lock). It will use a Normally Open (N.C.) circuit.

Electric Strike



- Above scenario the Electric Strike is shown as Fail Secure (Power to Lock). It will use a Normally Open (N.C.) circuit.
- McGrath Z Chip is wired in a series circuit.
- If the Electric Strike is a Normally Closed (N.O.) circuit, wire the Z Chip in Parallel circuit.

Roller Door

McGrathLocks
MAKING ACCESS EASIER
powered by LSC Complete SECURITY SOLUTIONS

Power Output
12-24 Volts
DC

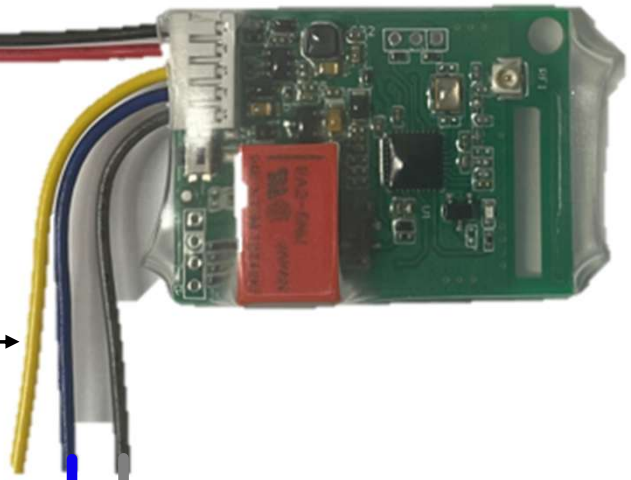
Roller Door
Control
Panel

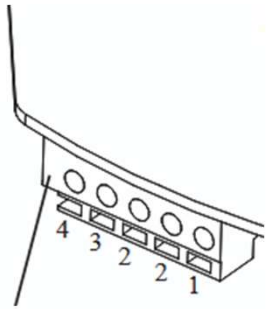
Auxiliary Push Button

Make sure to isolate this wire

C

N.O.





1. Terminal Block: used for external accessories (see chart below).

No	Function	Colour	Polarity	Comment
1	Push button	Red	+ve	Dry contact input for push button wired wall controls:
2	Common	White	-ve	Common terminal for push button, obstruction detection beams & accessory power: