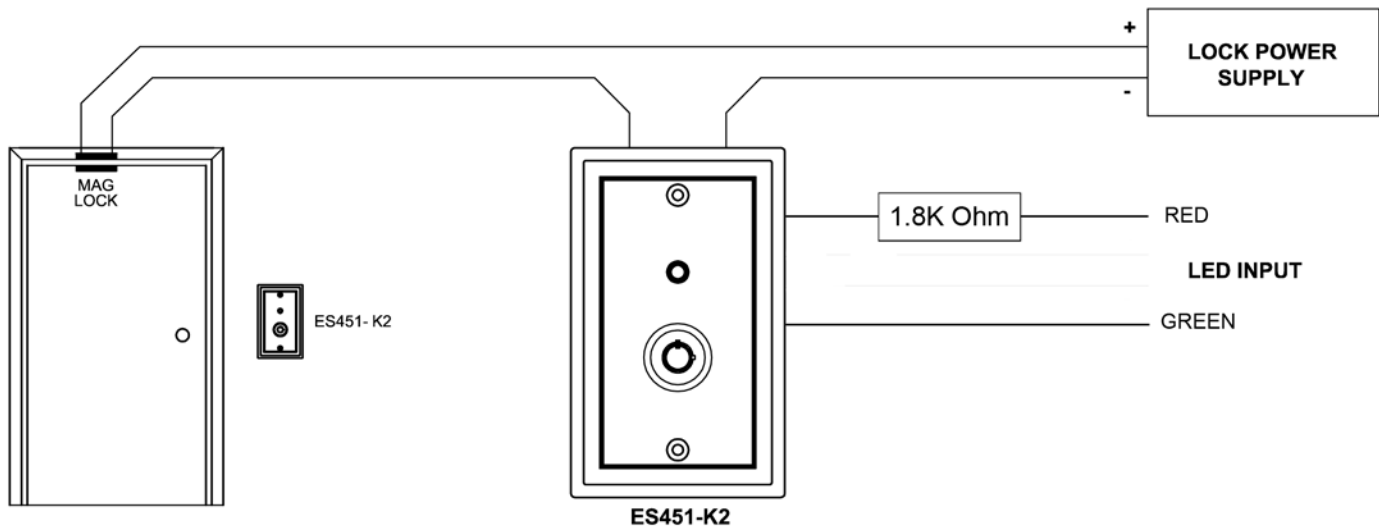


**Designed Security, Inc.
 ES451-K2 Application Note**

Keyswitch Control Unit used to shunt a mag lock



ES451-K2 Keyswitch Control used to shunt a magnetic lock to gain entrance through a secured door

Specifications:

Model: ES451-K2
Keyswitch: Alternate Action SPST barrel key
Dimensions: 2.80" W x 4.50" H x 2.00" D
Mounting: 1 gang stainless steel trim plate
 2.5" electrical box

Input: N/O contact, 2 Amp @ 30VDC

LED: Bi-Color Red/Green
 Bi-Color LED polarity:
 Red LED = Red + Green -
 Green LED = Green + Red -

Note: Use current limiting (1.8K Ohm) resistor, unless used with ES4200 or ES4300A LED output

Model: ES451-K1
Keyswitch: Alt. SPST double bitted key
Dimensions: 2.80" W x 4.50" H x 2.00" D
Mounting: 1 gang stainless steel trim plate
 2.5" electrical box