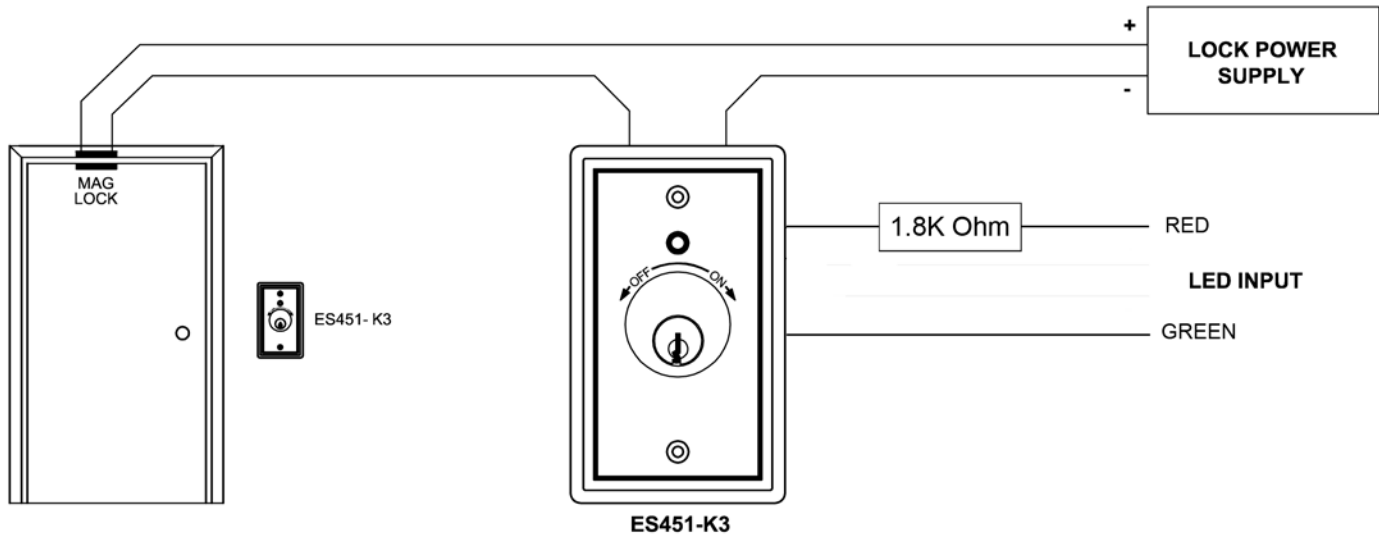


**Designed Security, Inc.  
 ES451-K3 Application Note**

**Keyswitch Control Unit used to shunt a mag lock**



**ES451-K3 Keyswitch Control** used to shunt a magnetic lock to gain entrance through a secured door

**Specifications:**

**Model:** ES451-K3  
**Keyswitch:** Rim hardware w/cylinder  
**Dimensions:** Momentary or Alternate Action  
**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