These kits are designed for the 1600 model barrier gate operators. Recommended for the 1603 auto spike system. The traffic signal is synchronized with the gate operator’s up/down cycle. The red LED light stays on and only changes to the green LED when the operator’s arm is fully raised.

**Installation**

Shut off AC power to operator.
Turn off DC power switch on certain models.

1. **Assemble Support Post**
   - Use 2" conduit nuts to secure traffic light assembly to support post.
   - Route wire through support post on kits 1603-222 and 1603-223.

2. **Mount Support Post on OPPOSITE Side of Access Door**
   - Drill 7/8" hole centered where elbow touches operator housing (approximately 18" down from the top of operator).
   - Secure 3/4" conduit nipple in drilled hole with conduit nut.
   - Make sure traffic light is clear of raised arm.

**Support Post Hardware:**
- Kit P/Ns 1603-222 & 1603-223
- 3/4" Conduit Nipple and Conduit Nut
- U-Bolt Clamp with lockwashers and nuts (2 sets)
- 5/8" Cover Bracket bolt and lockwasher (2 sets)
- 2" Threaded Elbow
- 2" Conduit Nut (3)

**Kits Include:**
- 12 VDC Transformer
- Traffic Light Assembly
- 6 or 11 Ft Cable
- 2" Elbow
- 2" Conduit Nuts

**DoorKing Part Numbers**
- 1603-223: 6 Ft Cable/No Post
- 1603-222: 6 Ft Cable/35” Post
- 1603-221: 6 Ft Cable/No Post
3 Wire LED Traffic Light to Operator

DoorKing Part Numbers

- 1603-221 6 Ft Cable/No Post
- 1603-222 6 Ft Cable/35" Post
- 1603-223 11 Ft Cable/95" Post

Traffic Light Terminal

- Black
- Red
- Green

6 or 11 Ft Cable

Existing Bracket Bolts

123456789 1 0 1 1 1 2 1 3 1 4

Arm Relay Contacts

- C - Common - BLACK Wire
- NC - RED Wire (Red LED)
- NO - GREEN Wire (Green LED)

Circuit Board Bracket

- NONCC
- Existing Bracket

Existing Bracket

Bolts

12 VDC

White (-) to Common

Black (+)

3/4” Conduit nipple

installed in operator housing.

⚠️ Keep wire clear of all moving parts.

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