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.

**Kits Include:**
- 12 VDC Transformer
- 6 or 12 Ft Cable
- Traffic Light Assembly

**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" Conduit Nut (3)
- 2" Threaded Elbow

**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**

Make sure traffic light is clear of raised arm.

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.

Pedestrians must use separate entrance.

Do not let children operate the gate or play in the gate area.
This entrance is for vehicles only.

DoorKing Part Numbers
- 1603-221 6 Ft Cable/No Post
- 1603-222 6 Ft Cable/35" Post
- 1603-223 11 Ft Cable/95" Post
Wire LED Traffic Light to Operator

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

Traffic Light Terminal

White
Red
Green

6 or 12 Ft Cable

Existing Bracket Bolts

Circuit Board Bracket

Arm Relay Contacts

Red (NC)
Green (NO)

Existing Bracket Bolts

3/4” Conduit nipple installed in operator housing.

Black (-) to Common
White (+)

⚠️ Keep wire clear of all moving parts.

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