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
- 5/8" Cover Bracket bolt and lockwasher (2 sets)
- 3/4" Conduit Nipple and Conduit Nut
- U-Bolt Clamp with lockwashers and nuts (2 sets)
- 2" Conduit Nut (3)
- 2" Threaded Elbow
- 2" Conduit Nut to secure elbow
- 2" Elbow

**Installation**

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

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

2. **Mount Support Post Assembly to Operator**
   - 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.
### Wire LED Traffic Light to Operator

**3 Wire LED Traffic Light to Operator**

**DoorKing Part Numbers**
- **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

**Circuit Board Bracket**
- Red (NC)
- Green (NO)
- 3/4” Conduit nipple installed in operator housing.

**Keep wire clear of all moving parts.**

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