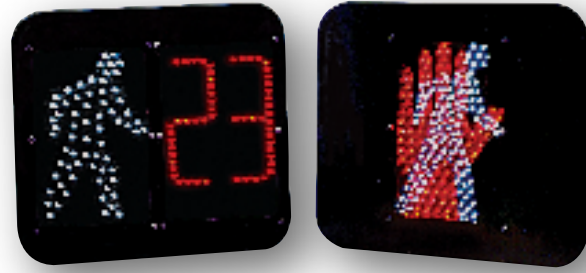


Pedestrian LED Signal Options (Meets 1999 ITE Specifications)

Hand/Walking Person Combination LED Pedestrian Signals



Features

- 2-Row, 9" high countdown digits are MUTCD compliant for crosswalks over 100 ft.
- Full preemption compatibility - Reverts to its previous timing immediately following a preemption call.
- Unique memory feature allows countdown time to remain stored internally, even when power is removed for extended periods of time.
- Up to 4 units can be connected in parallel without disturbing the monitoring of the Hand/Person.
- Automatically adjusts to traffic controller interval changes.
- 90% reduction in power vs. incandescent.
- Long life: up to 10 times longer than incandescent.
- Sealed moisture resistant enclosure.
- Lens available to fit most pedestrian heads.
- Lens has a textured surface to reduce glare.
- Easy to install into existing signal enclosure.

Specifications

- Operating Voltage Range: 80VAC to 135 VAC (120V nominal)
- Fuse and transient supressor incorporated for line and load protection
- Operating Temperature Range -40°C to +74°C
- Meets FCC Title 47, Subpart B, Section 15 Regulations for electrical noise
- Provided with quick connect terminals and spade adapters
- LED Colors:
 Countdown Numerals - Portland Orange
 Hand - Portland Orange
 Walking Person - Lunar White

TYPICAL OPERATING CHARACTERISTICS

| TAPCO Part Number | Manufacturer Part Number | Housing Size (Inches) | Symbol | | | Wattage | | | CSA Approved | Caltrans Qualified |
|-------------------|--------------------------|-----------------------|------------|--------|--------|------------|------|--------|--------------|--------------------|
| | | | Count down | Hand | Person | Count down | Hand | Person | | |
| OVERLAY | | | | | | | | | | |
| 220-55 | 430-6472-001 | 16 x 18 | N/A | Filled | Filled | N/A | 6 | 6 | Yes | |
| 220-23 | 430-6772-001 | 12 x 12 | N/A | Filled | Filled | N/A | 6 | 6 | | |
| SIDE BY SIDE | | | | | | | | | | |
| 220-57 | 430-6473-001 | 16 x 18 | N/A | Filled | Filled | N/A | 9 | 7 | Yes | Yes |
| 220-56 | 430-6473-801 | 16 x 18 | N/A | Filled | Filled | N/A | 6 | 6 | | |
| COUNTDOWN | | | | | | | | | | |
| 220-49 | 430-6479-001 | 16 x 18 | 2-Row | Filled | Filled | 5 | 6 | 6 | | |
| 220-28 | 430-7773-001 | 12 x 12 | 2-Row | N/A | N/A | 5 | N/A | N/A | | |

Pedestrian LED Signal Options (Meets 2005 ITE Specifications)

Uniform Appearance Hand and Person Pedestrian Signals



Lighting Uniformity • ITE Conformity Features / Benefits

- Uniform non-pixelated appearance
- Exceeds ITE PTCSI Part 2 requirements for LED pedestrian signals
- Fuse and transient suppressor incorporated for superior line and load protection
- 90% reduction in power vs. incandescent
- Long life: up to 10 times longer than incandescent
- Sealed moisture resistant enclosure
- Lens has a textured surface to reduce glare
- Easy to install into existing signal enclosure

Specifications

- Operating Voltage Range:
80VAC TO 135 VAC (120VAC nominal)
- Operating Temperature Range: -40°C to +74°C
- Meets FCC Title 47, Subpart B, Section 15 regulations for electrical noise
- Failed State Impedance > 250K ohm within 300 ms
- Conforms to MIL-STD-810F for blowing rain
- Conforms to MIL-STD-883, Test Method 2007, for mechanical vibration
- Conforms to MIL-STD-883, Test Method 1010, temperature cycling requirements
- Provided with quick connect terminals and spade adapters
- All products traceable by serial number
- Symbol Colors:
Upraised Hand - Portland Orange
Walking Person - Lunar White
- Transient Suppression exceeds ITE PTCSI-2 LED Pedestrian Signal Specification requirements and meets the following standards:
 - NEMA TS-2 Sec. 2.1.6 and Sec. 2.1.8
 - IEC 1000-4-5, 3KV, 2 ohm source impedance
 - ANSI/IEEE C62, 41-2002; IEC 61000-4-12, 6KV, 200A, 100KHz ring wave
- Power supply is conformally coated for robust operation

9" Pedestrian Signal LEDs are also available. Call for details.

| TAPCO Part No. | Manufacturer Part No. | Color | Lens Type | Typical Wattage @25° C | Dominant Wavelength (nm) | Minimum Luminous (cd/m ²) Hand | Minimum Luminous (cd/m ²) Person |
|----------------|-----------------------|---------|------------------------------|------------------------|--------------------------|--|--|
| 2406-16 | 430-6450-001X | 16 x 18 | Side-by-side Hand and Person | 8 | 7 | 1,400 | 2,200 |
| 2406-8 | 430-6472-001X | 16 x 18 | Overlay Hand and Person | 8 | 6 | 1,400 | 2,200 |
| 2406-15 | 430-5770-001X | 12 x 12 | Hand only | 8 | N/A | 1,400 | N/A |
| 2406-14 | 430-7771-001X | 12 x 12 | Person only | N/A | 7 | N/A | 2,200 |
| 2406-7 | 430-7772-001X | 12 x 12 | Overlay Hand and Person | 8 | 6 | 1,400 | 2,200 |



Pedestrian LED Signal Options (Meets 2005 ITE Specifications)

Uniform Appearance Countdown Pedestrian Signal

Lighting Uniformity • ITE Conformity Features / Benefits

- Uniform appearance symbols exceed ITE PCSI-2 requirements
- 9" high, 2-row countdown digits for maximum visibility
- Countdown is fully MUTCD-compliant (even for crosswalks over 100 ft.)
- Unique memory feature allows countdown time to remain stored internally, even when power is removed for extended periods of time
- Full preemption compatibility. Countdown reverts to its previous timing immediately following a preemption call
- Up to 4 units can be connected in parallel without disturbing the monitoring of the Hand/Person
- Automatically adjusts to traffic controller interval changes
- 90% reduction in power vs. incandescent • Long life; up to 10 times longer than incandescent
- Sealed moisture resistant enclosure • Lens has a textured surface to reduce glare
- Easy to install into existing signal enclosure



Specifications

- Operating Voltage Range: 80VAC TO 135 VAC (120VAC nominal)
- Operating Temperature Range: -40°C to +74°C
- Turn-on/Turn-off time < 75 msec
- Power Factor > 0.9
- Total Harmonic distortion < 20%
- Meets FCC Title 47, Subpart B, Section 15 regulations for electrical noise
- Conforms to MIL-STD-810F for blowing rain
- Conforms to MIL-STD-883, Test Method 2007, for mechanical vibration
- Conforms to MIL-STD-883, Test Method 1010, temperature cycling requirements
- Provided with quick connect terminals and spade adapters
- Written manufacturer's warranty available on request
- All products traceable by serial number
- Luminance uniformity and color uniformity exceed ITE PCSI-2 LED Pedestrian Signal Specification requirements
- Transient Suppression exceeds ITE PCSI-2 LED Pedestrian Signal Specification requirements and meets the following standards:
 - NEMA TS-2 Sec. 2.1.6 and Sec. 2.1.8
 - IEC 1000-4-5, 3KV, 2 ohm source impedance
 - ANSI/IEEE C62, 41-2002; IEC 61000-4-12, 6KV, 200A, 100KHz ring wave.

TYPICAL OPERATING CHARACTERISTICS

| TAPCO Part Number | Manufacturer Part Number | Housing Size (Inches) | Symbol Color | | | Typical Wattage @25°C | | | Min Luminance (cd/m ²) | | |
|-------------------|--|-----------------------|-----------------|-----------------|-------------|-----------------------|------|--------|------------------------------------|-------|--------|
| | | | Count down | Hand | Person | Count down | Hand | Person | Count down | Hand | Person |
| 2406-10 | 430-6479-001X | 16 x 18 | Portland Orange | Portland Orange | Lunar White | 5 | 8 | 6 | 1,400 | 1,400 | 2,200 |
| 2406-9 | 430-7773-001X (Countdown module only) | 12 x 12 | Portland Orange | N/A | N/A | 5 | N/A | N/A | 1,400 | N/A | N/A |

