LED Countdown Signal
Model GTC-7

LED Countdown Pedestrian Signals

16 x 18 inch **(449 mm x 406 mm)**

The New US Reflector Traffic signal Countdown sign is used at road intersections to count down by seconds using LED illumination technology.
The traffic signal's change of time of from red, yellow and green will assist in keeping drivers well informed about the current status of the intersection so as to improve traffic safety.

Features of US Reflector GTC-1 series Countdown sign:

Excellent Appearance & Visibility

- Robust LED system design enables high luminous intensity over product life cycle
- Efficient optical system minimizes power consumption while providing excellent uniformity and viewing angles
- New! Single piece transparent front window with internal masking to prevent:
  - countdown and icons display from being readily visible when not in operation
  - scratches and abrasions compared with external silk screen technology
- Bright and clear icons
- New or retrofit use
- Fully uniform look

Outstanding Reliability & Robust Operation

- Internal conflict monitor preventing walk and don't walk indications to light up at the same time
- Individual power supply drives each display to ensure proper indication
- Over-molded electrical connectors providing moisture and dust protection

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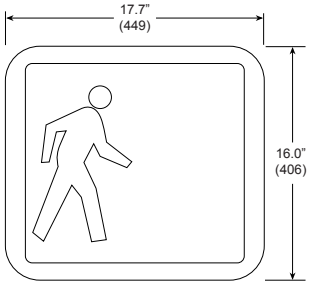
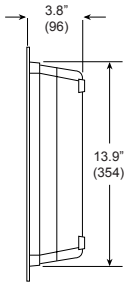
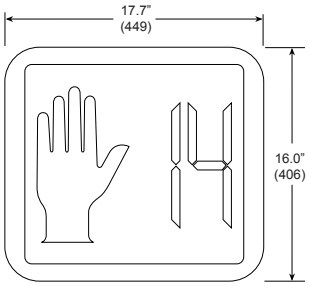
Mechanical Outline







16 x 18 inch (449 mm x 406 mm)

Design Compliance

Test Type	Compliance
Luminous intensity,	ITE PTCSI LED Signal ModulesDraft version of Feb. 2009 Uniformity & Viewing Angles
Chromaticity	ITE PTCSI LED Signal ModulesDraft version of Feb. 2009
Moisture Resistance	MIL-STD-810FProcedure 1, Rain & Blowing Rain
Mechanical Vibration	MIL-STD-883 Test Method 2007
Electronic Noise	FCC Title 47 Sec 15 Sub. B1
Transient Voltage Protection	Sec. 2.1.6 NEMA TS 2-2003 Sec. 2.1.8 NEMA TS 2-2003
Controller Compatibility	NEMA TS-2-2003
Transient Suppression	Sec. 8.2 IEC 1000-4-5 & Sec. 6.1.2 ANSI/IEEE C62.41.2 - 2002, 3KV, 2 Ω Sec. 8.0 IEC 1000-4-12 & Sec. 6.1.1 ANSI/IEEE C62.41.2 - 2002, 6KV, 30 Ω
Wiring	NFPA 70, National Electric Code
Digits	MUTCD 2003, Section 4E.07, Countdown-Numbers Minimum 9'' Height & 7'' Width

Operating Specifications

Parameter	Rating
Operating Temperature Range*	-40 to +74°C (-40 to +165°F)
Operating Voltage Range	80 to 135 V (60Hz AC)
Power Factor (PF)	> 90 %
Total Harmonic Distortion (THD)	< 20 %
Voltage Turn-Off (VTO)	35 V
Start-up Time	< 75msec
Lens & Shell Material	UV Stabilized Polycarbonate
Wiring	16 AWG, Color Codedwith Strain Relief
LED Color	Hand: Portland OrangePerson: Lunar White
Default Mode	Hand only

* Performed in compliance with ITE test method described in the technical notes
[1] Class A
[2] Full MUTCD Compliance
Test Condition : T_a = 25˚C. All values are design or typical values when measured under laboratory conditions

Model number	Dimentions		Symbol		AC Voltage	Power (W)			Beam Pattern Degrees	Minimum Luminous Intensity Cd/m^2	
	Dimentions	Layout	Hand	Person	120V-60Hz	Hand	Person	Countdown		Hand/digit	Person
GTC-7	16x18 inch (449mm x 406 mm)	Overlay Count-down	Full	Full	120V-60HZ 220-240V	11	8	6	26	1400	2200

Meets Rigorous Certification & Testing Standards

- Intertek ETL Verified compliant
- EPACT 2005 compliant
- Using MIL-STD-810F and NEMA 250-1991 Type 4 for environmental robustness, passed reliability and qualification testing including high temperature, high humidity cycling (HTHH for 1,000 hours)
- Production quality compliant to GE Six Sigma requirements
- Compliant (for Full Hand/Full Person) with the ITE PTCSI LED Signal Modules - draft version dated Feb. 2009

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