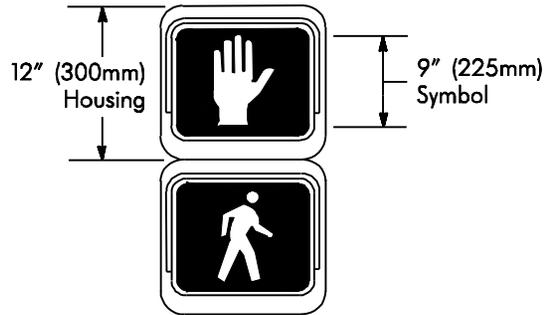
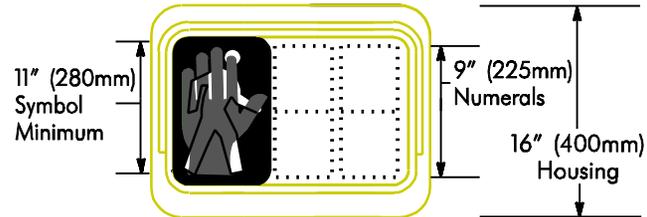


## Typical Pedestrian Heads

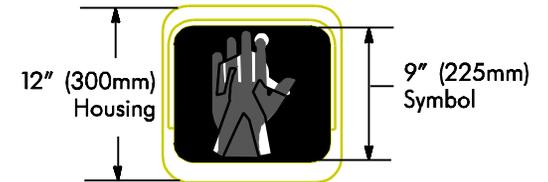
### Retrofit Installation



### Standard – Countdown Pedestrian Head



### Alt/Preemption Pedestrian Head



### Pedestrian Head Guidelines

- With pretimed operation, use "Ped Recall" when push buttons are not used.
- Also with pretimed operation, "Max Time" should not be less than the total of "Walk" and "Flashing Don't Walk" times.
- Typically, do not use countdown pedestrian heads with railroad preemption (unless pretimed operation).
- Countdown heads may not be compatible with some forms of EV or Fire Preemption.
- Existing 9" (225 mm) Housing, 2 section pedestrian heads are allowed when distance to head is less than 100 feet (30m).
- For head numbering refer to Std. No. 3.0:1.

### Pedestrian Timing

- "Walk Time": Minimum 4 to 7 seconds, depending on pedestrian volume and characteristics.
- "Flashing Don't Walk Time" (FDW): Enough time to get from curb or shoulder to farside of the farthest traveled lane (D). Assume 4 feet (1.2m) per second (S), minus the concurrent yellow change interval (YC). Use slower travel speed where a high percentage of slower moving pedestrian traffic can be expected.

$$FDW = \frac{D}{S} - YC$$

## Pedestrians Heads & Timing

SIGNAL DESIGN SECTION  
 TRANSPORTATION MOBILITY AND SAFETY DIVISION  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

**7-09**

STD. NO.

**6.0**

SHEET 1 OF 1