

# PEDESTRIAN COUNT DOWN DISPLAY

Aldridge Traffic Systems (ATS) Pedestrian Count-Down Display (PCD) utilises the latest in microprocessor and LED technologies to provide a cutting edge product.

The PCD has been manufactured in accordance with the operation of Pedestrian Traffic Signals in RTA Specification TSC/4. The PCD is powered by 240Vac (or 42Vac in 42Vac version), which is taken from the signal lantern (typically the RED standing man / Don't Walk lantern used to flash the clearance period).

No programming is required for the PCD as it auto detects the flashing clearance period. Auto detection occurs for at least one complete cycle before displaying the correct count down sequence on the following cycle. Timing and synchronisation with the flashing clearance is taken from the flashing lantern (typically the RED standing man / Don't Walk lantern is used to flash the clearance period).

## FEATURES

- Utilising the latest in LED technology for low power, high brightness, and long operational life.
- Built-in intelligence to detect the pedestrian clearance period.
- Designed to operate with RTA Equipment Specification No. TSC/4 for Pedestrian Traffic Signals.
- On-site configurable leading zero digit blanking.
- No additional programming or configuration required
- Works in conjunction with Aldridge Pedestrian Signal Lanterns which are compliant with Australian and International standards
- Australian designed and Manufactured
- Available with IP65 Signal Lanterns Housings
- U.V stabilised components
- Modular components for easy maintenance
- Fits standard 200mm Traffic Signal Lantern Housings.
- Simple installation for new or existing traffic signals.



Mounting of the PCD is standard as it is designed to mount into existing Traffic Signal Housings and can be provided with or without the step down transformer.

The PCD is typically used with standard Pedestrian Traffic Signals to provide an indication of the remaining time for the flashing clearance period. The two-digit display only lights during the flashing clearance period and displays a count down of the remaining seconds for the clearance period. The PCD is blank during the GREEN Walk period and RED Don't Walk Periods.

A configuration jumper is used to enable or disable leading zero digit blanking. Leading zero blanking provides additional visual feedback to distinguish clearance periods below 10 seconds.

#### **DIGIT DISPLAY**

- Two 7-segment digits
- Standard Leading Zero Digit Blanking or Non-leading Zero Digit Blanking option

#### **POWER SUPPLY**

- 240Vac 50Hz (or 42Vac 50Hz in 42Vac version)
- Power is taken from the Signal Lantern input.

#### **SIGNAL LANTERN INPUT**

- Connects to the Signal Lantern used to indicate the flashing clearance period for pedestrian crossings. (typically the RED standing Man or Don't Walk Lantern)
- Typically connected in parallel to the signal lantern.

#### **SIGNAL LANTERN INPUT**

- Meets all requirements of AS/NZS2144:2002
- High luminous output
- IP65 protection
- Coloured lens in compliance with colour requirements of CIE/AS/NZS2144:2002
- LED type with long term reliability and operational life

