

# PEDESTRIAN CROSSOVER CONTROLLER

## Overview

Fortran's Pedestrian Crossover (PXO) Controller is designed to provide a safe means for pedestrians to cross a busy street where a signalized intersection is not present, or may not be feasible.

The PXO controller is activated by any standard pedestrian push button which is installed at the crossover location. Flashing warning beacons for the drivers and an optional pedestrian signal provide all the required feedback to vehicles and pedestrians.

The PXO controller is backward compatible with the previous PXO controllers manufactured by Fortran. A simple circuit board swap allows any existing location to be upgraded within minutes. This truly is a plug and play solution.

Programming is accomplished through a simple 8 push button interface, and feedback is displayed on a brilliant red 3 digit display. The PXO controller is capable of supporting full Incandescent or LED loads for both the beacon outputs, as well as the pedestrian signal outputs.

Zero-Cross switching is used on all lamp controls to ensure long lamp life and low switching noise. An isolated push button input protects pedestrians in the event of a unit malfunction. Lightning and transient protection circuits are employed on all inputs and outputs to protect the PXO controller against lightning strikes and power line noise/spikes.

Compatible with numerous manufacturers push buttons.



## Features

- NEMA Compliant
- Available in aluminum pole mount cabinet
- Electrical Approval—Special Inspection
- Easy Connectivity
- Low Maintenance
- User Friendly Programming Interface
- Direct 'Plug & Play' upgrade
- Internally Logs Number of Pedestrian Cycles
- EEPROM Memory (no battery required)

# FORTRAN



**Specifications**

- **Colour:** Standard: Bare Aluminum or Flat Black (Powder Coated) Other colours are also available by request
  
- **Dimensions:** 10.5”(W) x 15 3/4”(H) x 8”(D)  
(Cabinet Assembly)
  
- **Environmental:** -37 °C to +74 °C (-35°F to +165°F)
  
- **Power:**

***Input Specifications***

Nominal Input Voltage	120VAC
Input Voltage Range	95-135VAC
Maximum Current	0.1 Amperes (lamp loads not included)
Input Frequency	60 Hz +/- 5%

***Output Specifications***

Nominal Output Voltage	120VAC
Output Voltage Range	95-135VAC
Lamp Loads	10 Amperes Maximum
  
- **Options :**
  - Conflict Monitor ( for pedestrian signal outputs)
  - Custom sequences and features ( by special request)
  - AAPS sytems
  - 8” or 12” beacons
  - Countdown pedestrian signal

**Caution:** Operating the PXO controller with a PED signal is recommended for special application only and should not under any circumstances be used on the street unless a red signal is present to stop motorists from entering the crosswalk while the WALK signal is active.

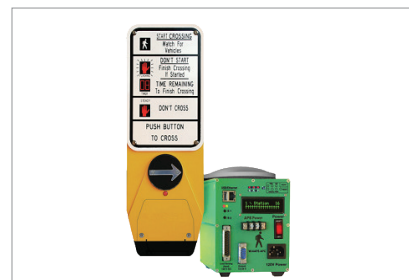
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