



The PLC 920 has been designed to complement the PLC 910 Student Trainer.

Having grasped the fundamentals of a PLC managed system with the PLC910, the traffic signal controller is an excellent simulator to teach programming skills with specific emphasis on setting up counters, timers and on/off switches.

The unit consists of a 4 way intersection with pedestrian crossings. Two directions have a controlled "turn" facility with "flashing green" and "amber" indicators.

A pedestrian "push to cross" button is provided at each pedestrian walkway and these controls serve as additional inputs to the PLC.

Vehicles may be manually clocked through the intersection for "manual" operation and an electro-mechanical counter is electrically attached to the "trigger" switch recording the number of vehicles moving towards the intersection.

Two additional relays have been provided to allow for additional signalling combinations. Access is provided to the relay coil and a set of change-over contacts.

All connections to and from the PLC and the devices are accessible via 10 mm high quality polyamide binding posts.



**PLC-920 Specifications**

**Dimensions:**

370(l) X 570(b) X 40(h) at 4 Kg mass

**Input devices:**

Manual trigger and pedestrian push-to-cross switches

**Output devices:**

LEDs arranged in an intersection traffic light configuration.  
Electro-mechanical counters.

**Other:**

Two manuals and programming software included.  
Clear, concise didactic information silk-screened onto the front panel.  
All connections via 10 mm high quality polyamide binding posts.

**Power Supplies:**

24 volt 0,5 amp & 12 volt 1 amp regulated PSU

**PLC:**

The PLC is DC input & RELAY output  
The PLC, utilises easy-to-understand genuine windows-based programming software.

Manufacturer : **AMRON**

Tel : (033) 3868309  
Fax : (033) 3868556  
E MAIL: amron@pixie. co. za

P.O. BOX 2435  
Pietermaritzburg  
3201

Distributor :

AMRON reserves the right to amend these specification in the interest of product improvement