



# Wayside Unit

## *Bus Plus System*

### Priority for Transit

*The WaysideUnit is a core component of the Novax Bus Plus System which provides cost effective priority access for transit vehicles in a variety of traffic control systems.*



### Features

- Infrared technology for accurate detection of priority transit vehicles
- Minimal disruption to traffic flow during installation
- Built-in installation alignment gauge
- Works with Multi-priority Vehicle Transponder for up to 3 priority levels

### Operating Brief

The Wayside Unit detects the priority signal transmitted by the infrared Vehicle Transponder mounted on designated transit vehicles. Two Wayside Units are required for each direction of approach to the intersection - one for check-in of the priority vehicle, one for check-out. Each Wayside Unit contains an infrared transceiver.

The check-in Wayside Unit is placed a sufficient distance ahead of the intersection (500' - 2000') to allow adequate time for the traffic control equipment to respond. Priority is issued when the Wayside Unit detects and validates the infrared signal from the vehicle. The check-out Wayside Unit is installed at the intersection for verification of priority vehicle passage and return of traffic controller to normal operation.

The signal is routed from the Wayside Units to the Master Unit by wireless radio frequency or hardwire, depending on available infrastructure and cost factors.

## WAYSIDE UNIT

### *Bus Plus System*

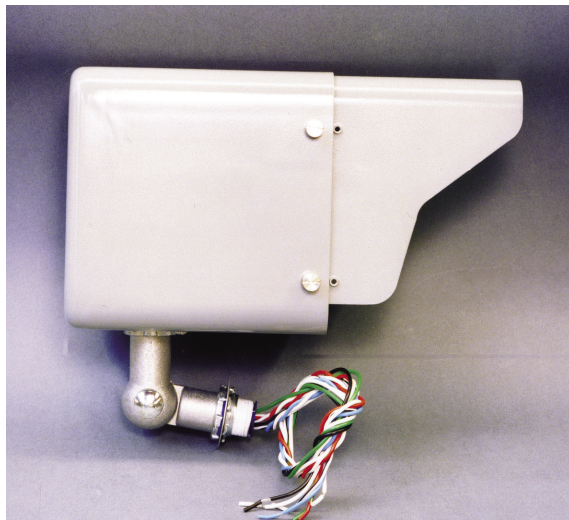
### SPECIFICATIONS

AC Power Connection:	Three Position Terminal Block (AC+, AC-, GND)
Operating Voltage:	95 to 135 VAC, 60Hz (180 to 240 VAC, 60Hz Switchable)
Power:	20 Watts peak
RF Transmit Distance:	330m (1000')
Transient Protection:	Differential mode and fuse
Operating Temperature:	-37°C to +74°C (-35°F to 165°F)
Storage Temperature:	-45°C to +85°C (-49°F to 185°F)
Weight:	2.0 Kg. (4.5 lbs.)
Physical Size:	2.25L x 9.4W x 12.5H cm (9.0" x 3.75" x 5.0")

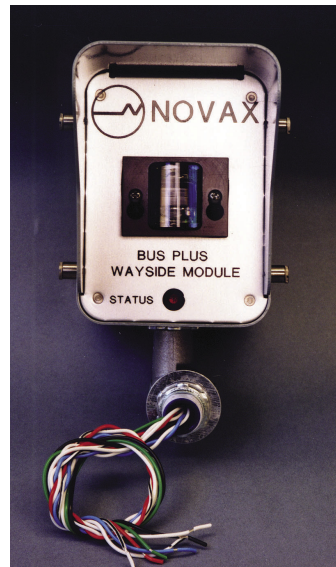
### Variant Models

Wayside Unit w/radio transmitter (Bus Plus IRRF) ELA395

Wayside Unit for hardwire (Bus Plus IRHW) ELA393



Products may not be exactly as shown.



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