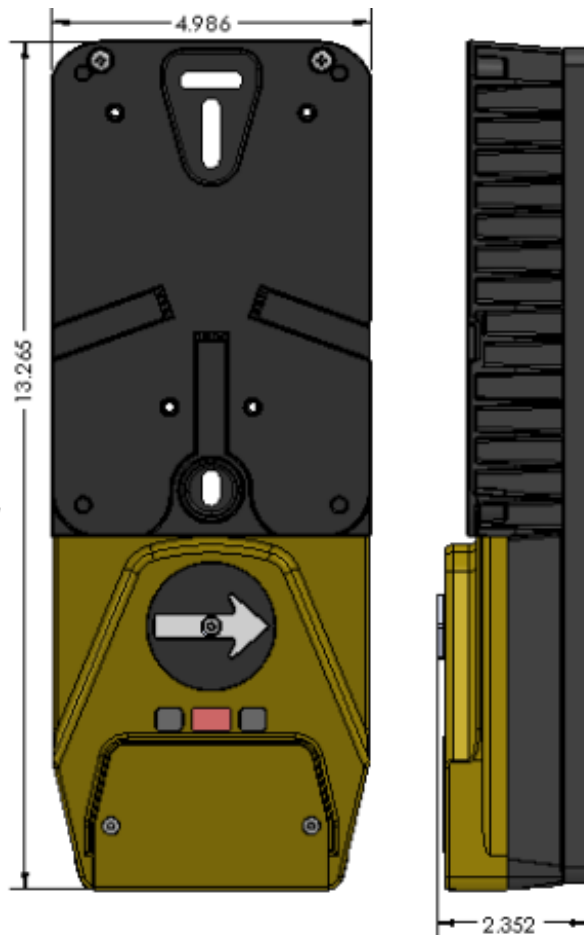


Guardian® Duo



Guardian® Duo Station

The **Guardian® Duo** is a networked 2-wire Accessible Pedestrian Signal (APS) utilizing the existing field wires at the intersection to place calls and transfer data between the station on the pole and the Card Rack Controller in the cabinet. The Guardian® Duo's web-based utility can be remotely accessed for monitoring, data collection, and SNMP Trap messages over an Ethernet connection. The Guardian® Duo's station housing is virtually vandal-proof, equipped with an ADA-compliant, hall effect-driven, push button with vibrotactile responses provided during physical actuation. All APS required audible tones and messages emanate from the front and side of the station where the pedestrian is positioned to enter the crosswalk. The Guardian® Duo **comes standard with Bluetooth® and Wave technology installed**, both of which can be disabled upon purchase.

PedSafety's **Wave touchless actuation sensor** has been implemented into the Guardian® Duo and is the most reliable touchless sensor for extreme weather conditions. Simply waving a hand 1-9" in front of the sensor will place a call for a walk cycle and provide all the essential information and indications required by the MUTCD, ADA, PROWAG, and TAC.

Key Features:

- Guardian's® Trusted Foundation: All the trusted Guardian® features you rely on, now enhanced
- 2-Wire Networked Solution: Reduces installation complexity while maximizing functionality
- One-Press Intersection Configuration: Effortless intersection auto-sync with single-push button identification and phasing setup
- Universal Cabinet Compatibility: Compatible with all cabinets, regardless of manufacturer, including 120VAC and 48VDC ATC cabinets
- Comprehensive Remote Monitoring: Real-time intersection monitoring via web portal with ability to send SNMP Trap notifications
- Secure Wireless Access: Enhanced Bluetooth® connectivity through the PedConnex® App (iOS and Android compatible)
- Flexible Programming Options: USB connectivity for Windows and Android with power-off programming for settings and audio changes
- Exceptional Durability: Superior resistance to shock and vibration for prolonged field reliability
- Enhanced Visibility: New, larger LED light bar
- Multiple Activation Methods: Supports both traditional push-button and touchless Wave activation
- Advanced Tactile Response: Improved push activation – no moving parts with new Hall Effect Sensor
- Weather-Optimized Housing: Innovative design architecture prevents water ingress and protects internal components
- **Fully MUTCD, ADA, PROWAG, TAC, and Buy America Compliant (BABA)**

Wave Features:

- The sensor operates independently from the physical push button
- Active Infrared Technology allows for sensitivity and detection range control 1-3", 1-6", or 1-9"
- Wave sensor is reliable in extreme weather – rain, hail, or snow does not affect motion detection

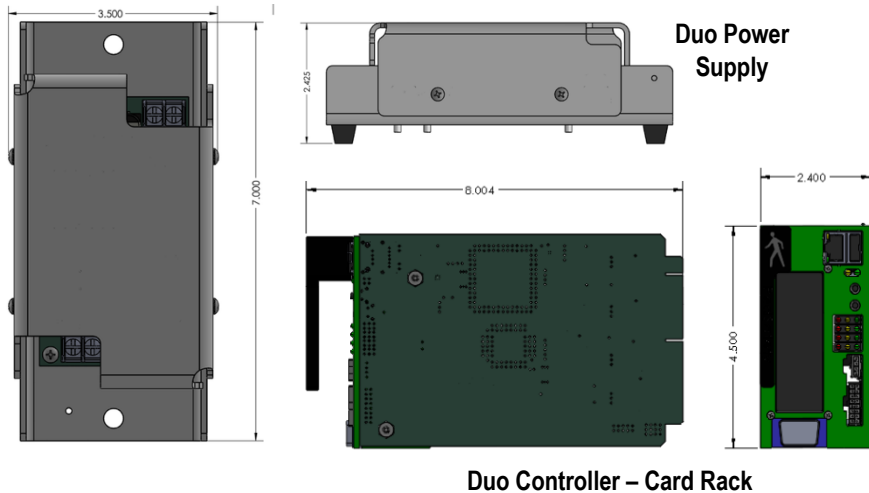
Operating Specifications

Parameter	Rating
Operating Temperature Range	-34°C to +74°C -30 °F to +165°F
Operating Force	3.0 lb maximum
Switch Operating Life	Greater than 100 million operations
Maximum Volume	100 dB @ 1 meter

Design Compliance

Test Type	Compliance
Functionality	MUTCD 2009 - 4E
Temperature and Humidity	NEMA TS2
Transient Voltage Protection	NEMA TS2
Transient Suppression	IEC 61000-4-4, IEC 61000-4-5
Electronic Noise	FCC Title 47, Part 15 Class B
Mechanical Shock and Vibration	NEMA TS2
Guardian Duo PBS enclosure	NEMA 250 – Type 4X
Electrical Reliability	NEMA TS4

All certifications performed by certified independent testing laboratories



Please specify part number:

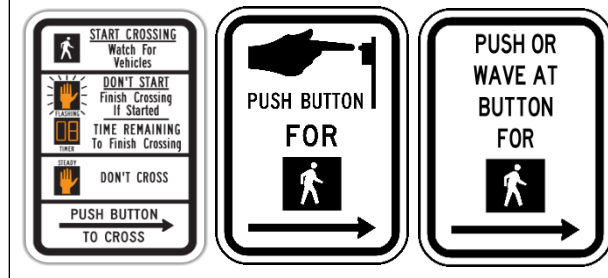
Guardian® Duo Station	501-1001
Guardian® Duo Controller – Card Rack	501-0916
Guardian® Duo Power Supply	501-0350

Please specify the following:

1. Color ¹	2. Screw Type	3. Arrow type
Textured Black	Standard Phillips	Field Selectable (FS)
Federal Yellow	Pinned Torx (T)	Double Arrow (DA)
Federal Green	Allen Head (Allen)	No Arrow (NA)
Unpainted/Natural		
Other (specify)		

¹ Color applies to faceplate only; composite body and aluminum backplate are black

4. Sign Legend²



5. Sign Film

Engineering Grade
Diamond Grade
Decals EG & DG
Braille 2

²Specify MUTCD sign at time of purchase

Notes:

- Applicable sections only of referenced standards
- All specifications are subject to change without notice
- All specifications are typical unless otherwise specified