

IntelliCross Accessories & Supporting Products

Windows Programming Device



USB Cable



IntelliCross Configuration Software



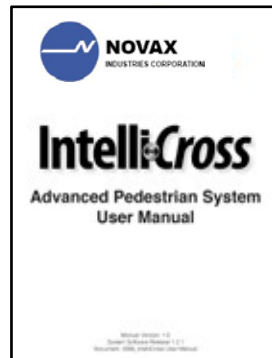
PIM-1.0 Module



PIM-2.0 Module



User Manual



Power Supply for CIU-C



CIU-C



External Speaker



Sign Adaptors



Double Arrow



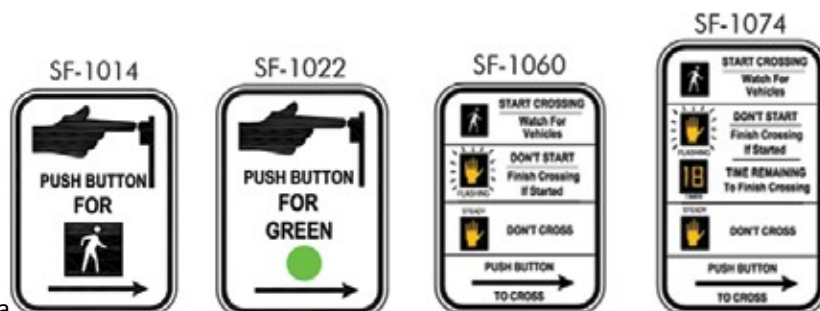
Sound Baffle



Driver Bit Kit



Signs



202-1525 Cliveden Ave, Delta, BC V3M6L2 Canada
Phone 604-525-5644, 1-866-977-4277, Fax: 604-525-2739 www.novax.com

Novax Industries Corporation IntelliCross APS

For the height of intelligent pedestrian guidance, Novax's IntelliCross is your state-of-the-art solution. Below are the IntelliCross Industry Leading Features and Benefits

Convert Pre-Timed Intersection into Fully Actuated Intersection

When CIU is installed in traffic cabinet, push-button wiring is not required. Request made through power lines to CIU-C using PWM

Intelligent Wire-less Button Configuration maintains Advanced Features without Central Control

Eliminates costly road construction installing wires and expedites installation saving valuable man hours

Patented PowerLine Communications

Program the entire intersection using existing traffic signal wiring for communication to buttons without a central controller in the cabinet

Adjustable Articulating Mounting Bracket with Push Button Center Line Indicator

Allows for accurate alignment with the crosswalk without the use of shims by articulating 15 degrees left or right from center

Forward Facing Speaker with Internal Sound Baffles

Ensures Messages and sounds are directed properly for audible accuracy when navigating intersection



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2-Year Warranty

Extended Warranty is available (for a copy of warranty see www.novax.com)

Quick Button Set-Up and Recovery

If an MV accident occurs and a button replacement is required, there is no need for a PC to enable the button operation

Central Health Monitoring System

Know the status of your system components for optimal performance and maintenance scheduling (Optional with CIU-C)

8-Position Adjustable Arrow without Removal of Cover

Allows for accurate alignment with crosswalk, installation efficiency mitigating the risk of environmental contaminants compromising internal components

Signal Conflict Monitoring at Button

Independent Verification of signal status at each button station for unprecedented safety

2018-03-22



Patented Digital Sound Conflict Monitoring at Button

Sounds have an embedded digital signature that is independently monitored and validated against traffic signal conditions before being allowed to play

Novax Industries Corporation IntelliCross APS

Novax’s newest product, the IntelliCross™ APS, is made to solve pedestrian traffic challenges in an affordable, convenient and cost- effective manner. Here are some key features the Novax IntelliCross offers

Key Features:

Fully functional with all advanced features without the need to run wires from the controller cabinet
The most advanced accessible pedestrian signal available
Designed with the future in mind
The only system that is easily field upgradable to central control with just the addition of a CIU-C to cabinet power (no additional wires required)

Additional Key Features:

Feature	Benefit
Powerline communication pushbutton features with no pushbutton wires	Turn pre-timed intersection into a pedestrian actuated intersection with pedestrian actuated sounds without the cost of in-street wiring.
Program any single or group of buttons at the same time	Flexible interface for button configuration to reduce setup time.
Program any button from anywhere in the intersection	Save time in intersection setup with the systems single point setup.
Mounting bracket allows for bolt or band mount	Convenient mount options for wood, cement and decorative metal poles with no additional accessories required.
Programmable by Ethernet	Flexible interface e for local or remote access to configuration or monitoring. Convenient interface to existing CTMS.
Single point wireless configuration of up to 23 pushbutton stations	More Flexibility in button requirements.
Standard second audio output	Full separate controls for optimal overhead beaconing or alert notification.
Ergonomically friendly maintenance access cover	Easy access to terminals with retainer type screw mounts. Keeps screws from being lost
Preloaded with a variety of common sounds and messages	Preloaded sounds.
Concurrent ped phase operation	Makes intersections safer by only allowing walk sound on parallel pedestrian movements. CIU not required. CIU not required.
Time-of-day controlled audio boost	Boost maximum sound level for people with hearing impairments. Settable by each sound. Only boost sounds you need, CIU is required
Night mode evening max volume	Limit maximum sound level in sensitive areas. Can be set by each sound. Only limit sounds you need. CIU is required.
Independent ambient adjustment for each sound	Optimal sound setup with Min, Max, Gain and Evening control for each sound. Optimal levels for pedestrian and surrounding residents.
Mutes the entire intersection except the selected crosswalk	Makes intersections safer by limiting sounds to one crossing only (in Walk) on button demand. CIU not required.

Novax Industries Corporation IntelliCross APS

Plus, these Industry Standard Features:

- Numerous Finishes Available
- Integrated 2” Piezo ADA Vibrating Arrow
- Sounds are synchronized across all pushbutton stations (does not require control unit)
- Vibro-Tactile Walk Phase Indication
- Confirmation of button push via latching LED and tactile bounce
- Extended button push can turn on; boost volumes, overhead beacon speakers for crossing guidance, and mute all sounds except those on the activated crosswalk
- Direction of Travel with extended button push
- Standard locating tone during Don’t Walk and Clearance if desired
- Cuckoo, Chirp, Melody, Rapid Tick or user customized voice messages during walk
- On Board Surge Protection
- Maximum walk sound time during vibrating arrow for Rest-in-Walk or Long-Walk applications
- All sounds automatically adjust to ambient over 60dB range
- Configuration and firmware updates provided via PC/USB port
- Minimum, maximum, gain and Evening Max volume independently set for each sound. All levels in dB pole locator or out sound only
- Provides pre-loaded special messages played through selected buttons or throughout the entire intersection upon a central system activated signal (e.g.; preemption, special event)
- Custom audio messages easily changed via PC/USB port directly to button, through CIU or remote IP
- Built-In pushbutton station health check every 30 seconds with fault recording
- Event Logging with CIU and button health check every 30 seconds
- Remote Configuration, Sound and Firmware update ability with CIU

Optional CIU-C Benefits

Ethernet connectivity from central office can provide the following service.

- Button Configuration
- Firmware Updates
- Custom Sound Updates
- Button Health Monitoring

Push-button outputs are available to traffic controller without having wires to button assembly



IntelliCross...Standsthe Test of Time and the Elements

Maximum

- Salt Spray
- Impact
- Environmental Chamber
- Vibration
- Submergence
- Independent Lab Testing

IntelliCross Meets Standards

Novax’s IntelliCross APS product is designed to meet or exceed the following guidelines:

- ADA
- TAC
- PROWAG
- MUTCD
- NEMA 250-4X/NEMA TS1, TS2, TS4, Type 170, Type 2070 and Type F Compliant
- FCC