

microWIU

PTC Wayside Interface Solution



A compact, standalone vital Wayside Interface Unit where low- cost, scalable capability is required to monitor vital input sources and interoperate with the PTC network.

**Lowest Cost, Smallest size (3.5" w x 7" h x 11" d)
for communication I/O and field I/O capability.**

**Touch-screen for convenient
configuration and status interface.**

FEATURES

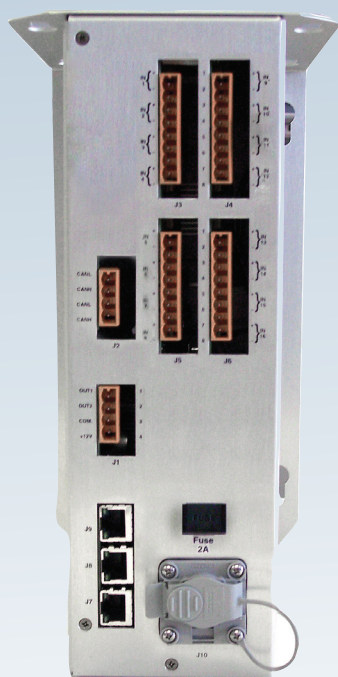
- Very small footprint for I/O capability.
- Low-power design for solar/alternative energy compatibility.
- Integrated color touch-screen display.
- Embedded web server.
- 16 vital digital inputs and 2 non-vital outputs per unit.
- Vital communications link to interface with Alstom's interlocking products (VPI & iVPI)
- Simultaneous AAR ITC and ACSES protocol operation.
- Stackable system.

ADVANTAGES

- Configurable with or without a computer.
- Faster installation and maintenance through use of touch screen.
- Local and remote configuration and monitoring.
- Low cost to capability ratio.
- Provides support for ITC and ACSES in one application tool.
- Minimal wiring changes allowing for lower installation efforts and cost
- Ease of application.
- User-friendly design tool for defining configuration data and boolean application logic.



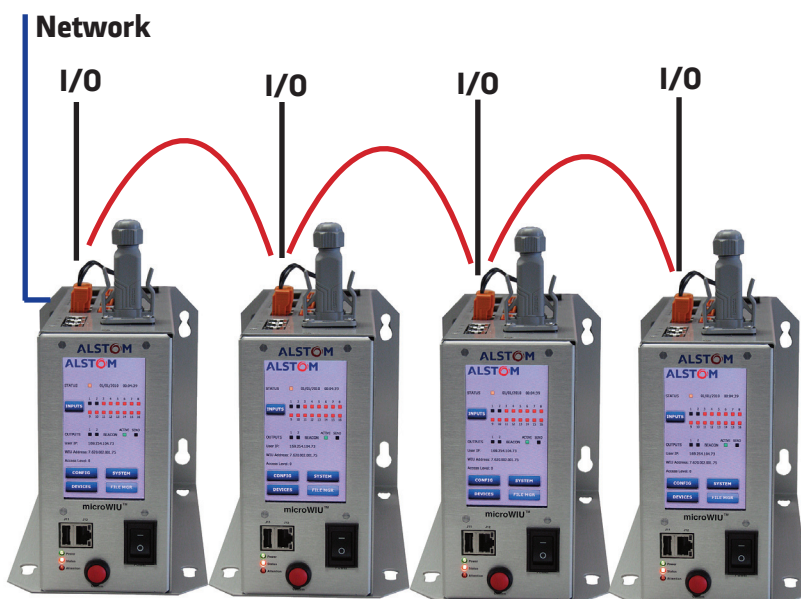
Front View



TopView

APPLICATIONS

- Small to medium scale overlay of existing signaling locations
- Hand Throw Switch and Hazard (e.g. slide fence) monitoring in dark territory.
- Up to seven microWIU units can be interconnected (one master and six slaves)
- Up to two external IP communication paths such as radio, fiber.



Stacked microWIU System (master and 3 slaves)

Allows multiple units to be interconnected and appear to a PTC network as a single, large WIU.

Ability to increase input count up to 112 inputs and 14 outputs with 7 stacked units.