About the TMIB

The TMIB connects up to four AccuScan forward-fire radar units to a traffic controller in the cabinet. The TMIB also facilitates Ethernet-based setup and monitoring communications from a PC to the radar units. Easy to install and set-up, the TMIB manages outputs from radar units around the intersection. Non-volatile memory retains the detector configuration, which can also be saved to a computer or restored from a saved file.

For the traffic controller, valid detection and output of up to 64 objects can facilitates optimal signal timing. Up to 16 wired open-collector outputs or up to 64 SDLC-protocol based outputs provide all the demand information that a modern traffic controller needs in an ITS solution. The TMIB interfaces detector outputs directly to NEMA TS1/TS2, TEES Type 170/179, or 2070 ATC traffic controllers, including SDLC when the controller software supports it in all cabinet types.

At A Glance

- Stop Line, Dilemma Zone, or Advanced vehicle detection
- Cost Effective & Superior Value
- Loop replacement (non-intrusive detection)
- Presence or Pulse Outputs
- Custom trigger conditions
- Easy to install and configure
- Reliable Performance
- Minimal Maintenance
- Low Power Consumption
Installation Options:

- **Detector Rack installation**
  - 4 rear-edge outputs or up to 16 rear-edge outputs with expansion modules
  - 4 rear-edge status outputs for use with BIU
  - 12 outputs on front panel for wired I/O or to expansion modules
  - SDLC protocol emulates up to 4 BIU functions for up to 64 outputs

- **Shelf-Mount Enclosure installation**
  - 12 wired open-collector outputs on front panel
  - SDLC protocol emulates up to 4 BIU functions for up to 64 outputs

General Data

- **Electrical**
  - 10 to 30 VDC, 2.5W, power on read-edge connector
  - Consumption, current <100 mA @ 24 VDC
  - Reset Switch

- **Interfaces**
  - 44-terminal double row Cinch Jones card edge connector
  - DB-15 NEMA TS2 / TEES SDLC protocol
  - HD-15 for 12 open-collector outputs, 12 or 24 VDC, Ground True
  - RJ45 100Base-Tx Ethernet for PC Data Communication Protocol
  - 4x UMRR sensor interface
  - Optional external power supply
  - Debug and USB connectors (reserved)

- **Supported Traffic Sensors:**
  - Up to 4 AccuScan models with RS-485 output

- **Detector Outputs**
  - Up to 16 wired open-collector outputs with expansion module
    (4 detector outputs on rear-edge connector with status angle)
  - Port 1 SDLC protocol response offers up to 64 outputs

- **Indicators**
  - 24 status LEDs (4 x 6 grind) for diagnostics and 16 outputs
    (2 power, 2 heartbeat, 2 error, and 2 SDLC rack)

- **Regulatory**
  - NEMA TS2-2003 compliant
  - TEES
  - FCC Part 15, Class A

- **Product support and training available through the EGI Learning Center**

Basic Specifications

- **Dimensions & Weight**
  - H x W x L: 114mm x 57mm x 178mm (4.5in x 2.2in x 7in)
  - Weight 0.4 kg (0.8 lb.)

- **Environmental**
  - 12 or 24-VDC 11 Watts maximum

- **Warranty – 2 years**