




## TransitVUE® TV-N100 ALARM PROCESSING UNIT

Through the use of the TransitVUE *FibrMat*® rail level intrusion detection sensor mat or other fiber sensing cable, you can connect the TV-N100 advanced alarm processing unit (APU) to a protected zone up to 20 kilometers away. A conventional fiber optic system requires the APU to be mounted at the protected site, requiring installers to plan the routing of power and alarm indicator wiring to and from the site. With the TV-N100, however, all processing electronics can be mounted in one central location. Insensitive fiber optic cable, immune to the effects of vibration, connects each APU to its protected zone.

One major advantage of the TV-N100 is the immunity of the fiber optic sensor to EMI, RFI, and high temperatures, as well as its inert transmission properties. Conducting only light, the fiber optic sensor poses no danger to chemical environments or ammunition depots. The remote capability of the TV-N100 simply maximizes these benefits, ensuring the live electronics of the APU stay far away from the protected area.

The uniquely designed advanced TV-N100 alarm processing unit, *FibrMat*®, TV-250A passive infra-red sensors, and user-friendly Vantage™ Notification software make up the complete TransitVUE® Intrusion Detection Notification System (TIDS).

- Remote detection capability.
  - Uniquely configured rack mount or stand alone units
  - Detection zones of up to 5 km in length.
  - Insensitive lead-in cable length up to 20 km.
  - Various sensitive to movement and vibration adjustments, allowing trains to not set off false alarms.
  - Intelligent signal processing.
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## Specifications

Part Number:	TV-N100
System Type:	Closed-loop, vibration-sensing
Sensing Element:	Fiber optic sensor cable
Programming Input:	RS-232
Communications Type:	RS-232 or Fiber Security Network (FSN)
Output:	1 Amp, 24 VDC normally-open and normally-closed relay contacts
Audio Jack:	1 kilohm, 10-1000 Hz
Signal Discrimination:	Digital signal processing
Maximum Zone Length:	5 km/3.1 miles
Maximum Lead-in Length:	20 km (12.4 miles)
Sensor Sensitivity:	Uniform over entire length
Voltage:	12-24 VDC (stand-alone APU), 120-240VAC @ 1 A, 50-60 Hz (rack-mount module)
Power:	3 Watts @ 12 VDC (stand-alone module)
Laser Output:	Class 1
Warranty:	3-Years

**Ordering Information:**



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