



A Division of Mercury Instruments

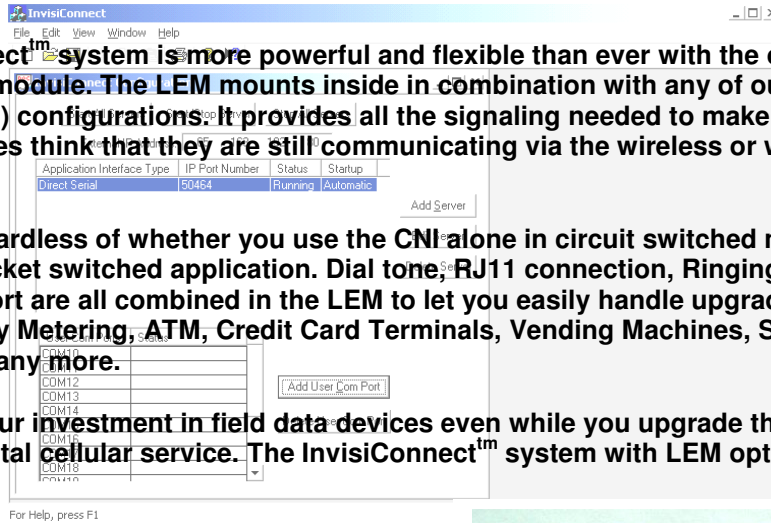
# The InvisiConnect™ LEM...

## Digital Cellular Connectivity for Devices with Analog Modems & RJ11 Connection

Metretek's InvisiConnect™ system is more powerful and flexible than ever with the optional LEM, (loop-start emulator), module. The LEM mounts inside in combination with any of our digital Cellular Network Interface (CNI) configurations. It provides all the signaling needed to make your legacy 'RJ11 connected' field devices think that they are still communicating via the wireless or wired analog phone network.

The LEM will work regardless of whether you use the CNI alone in circuit switched mode, or as the client in an InvisiConnect™ packet switched application. Dial tone, RJ11 connection, Ringing, Analog Data Modem and Fax Modem support are all combined in the LEM to let you easily handle upgrades for applications like Mobile Medicine, Utility Metering, ATM, Credit Card Terminals, Vending Machines, Security, Traffic Control Systems and many, many more.

Now you can retain your investment in field data devices even while you upgrade them fast and easy to utilize the latest in digital cellular service. The InvisiConnect™ system with LEM option makes it happen.



### Specifications: (Subject to change without notice)

#### Power Options:

All models require 12-28Vdc @350 milliamp which can be sourced by various configurations of AC, Battery or Solar mains. Please consult factory.

#### Physical:

Can be packaged inside all InvisiConnect CNI Models: Standard CNI Enclosure is polycarbonate, meets IP65 with Ext. dimensions: Approximately 6.5(16.5) x9.5(24) x 1.7(4.3) in.(cm). Weight: Approximately 3lbs. (1.3Kg)

**Connections:** RJ11 or 2 position screw terminal for Tip & Ring  
2 position screw terminal for DC power

**Data Bit Rates from 300bps thru 33.6K bps**

#### Modulation Standards:

Bell 103 & 212A, V.22, V.22bis, V.32, V.32bis, V.32ter, V.34, V.34bis

#### Environmental:

Operating Temp Range: -30 to +70 C

Operating Humidity to 90% non-condensing

represented by:

