

# API-4W

## Analog Phone Instrument

### INTENDED APPLICATIONS:

- Cost effective 4 wire user interface
- Ideal for single user remote locations
- May be mounted in an optional environmentally safe, corrosion resistant enclosure for shipboard use.



The Compunetix Analog Phone Instrument (API) is a rack-mountable user instrument that features simple operation. The API supports both Hoot'n'Holler and 4 wire E&M signaling modes. In addition, the API supports both front and rear connected handsets/headsets for two operators. The handsets/headsets have a volume control. The API also provides a loudspeaker with volume control and muting.

### FEATURES:

- Durable metal enclosure
- Rack mountable

#### OPERATIONAL FEATURES:

- Push To Switch handset with independent volume control (a Push To Switch handset can be connected to both front and rear connectors simultaneously)
- Loudspeaker with independent volume control and muting
- Incoming call indicator
- Ringer volume and cutoff control
- Signal button which transmits E&M signaling
- DTMF keypad

#### OPERATIONAL MODES:

- 4 wire E&M
- Hoot'n'Holler

#### PHYSICAL CHARACTERISTICS:

- 19" Rack mountable
- Durable Metal Enclosure
- Dimensions:
  - Width: 17"
  - Depth: 10"
  - Height: 3 1/2" (2U)
- 8 wire modular RJ 45 connector
- Front and rear mounted headset/handset jacks
- Optional Environmentally safe, corrosion resistant enclosure

#### ELECTRICAL SPECIFICATIONS:

- 4 Wire Interface
  - Impedance, Transmit and Receive: 600 Ohm
  - Levels, Transmit and Receive: -50 to +1dBm
  - Crosstalk, Receive to Transmit: <-70dB
- Voice
  - Loudspeaker Output: 4 watts rms, adjustable
  - Frequency Response: +1, -3dB, 204 to 3400 Hz
  - 4 Wire Levels: Transmit and Receive: -16dBm nominal
  - Harmonic Distortion: <1%
- Signaling
  - "E" Relay Contacts: Single Form "C" rated 1 amp at 30VDC, 0.5 amp at 125 VAC
  - External "M" Lead: Switched to Ground from -48VDC at <5.5mA

#### ELECTRICAL POWER SPECIFICATIONS:

- Input Voltage: -43.2 to -52.8 Volts DC; nominal -48 Volts DC
- Input current: 0.08 to 0.2 amps DC
- Optional 120 Volt AC power supply module available

#### ABOUT COMPUNETIX:

Compunetix, a small business with over 30 years experience in designing, engineering, and manufacturing communications equipment, is located 15 miles east of Pittsburgh in Monroeville, Pennsylvania. The Federal Systems Division of Compunetix specializes in the design, manufacture, and installation of mission-critical voice communications systems for the aerospace, military, civilian government, emergency response/management, and other markets where reliable mission-critical communications are a necessity.

*For More Information:  
to learn more about how compunetix products and services can fulfill your mission-critical communications needs, call or write us at:*

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