

Cellular and Voice Alarm Reporting



Key Features

- Integrated CDMA module with trimode capabilities
- User-recordable high quality digitized voice messages
- Integrated modem permits remote programming or data access to external equipment
- Voice prompted interrogate, control and programming functions
- Eight alarm inputs, analog or digital
- Low power consumption, wide temperature range (-30° to +60°C), ideal for remote or solar applications

ProTalk[®]
Alarm Reporting Units

BE BARNETT ENGINEERING LTD.

ProTalk Cv2

Specifications

Alarm Inputs	8 Inputs, analog or digital; latching or momentary; plug-in screw terminal block Analog: 0 to 5 VDC, 100k input impedance; Digital: normally open or normally closed, ground closure or +10 to +30 VDC input; optionally configured for acknowledge input
Control Outputs	8 independent open collector outputs; automatic or DTMF code controlled; voice announcement when operated; plug-in screw terminal block; sink up to 500 mA each
Programming Connection	DB9-RS232; 9600 baud
Record Connection	RJ11, using a standard telephone set
Voice Quality	Digitized, toll quality, 32 kbps ADPCM
Power	+11 to +28 VDC, 200 mA idle, 1.25 A transmitting; plug-in screw terminal block
Environment	-30° to +60°C
Physical	8.5" L x 6.0" W x 3.0" D
Cellular Telephone Trimode Antenna	Internal, CDMA2000 1X module CDMA digital 800 MHz, CDMA PCS 1900 MHz, and AMPS 800 MHz Dual Band; 50 Ohms impedance, SMA Connector
Speaker	Integrated speaker annunciates alarms and programmed parameters

Programmable Features

Voice Messages	Site identification, group identification, alarm inputs and control outputs; user recorded, non-volatile
Alarm Type	Individually configured for digital normally open, digital normally closed, or analog 0 - 5 V; analog alarms can have multiple setpoints or can be configured to report a status only when interrogated
Alarm Groups	Alarms can be assigned into one of six groups; all alarms in a group will use the same directory when calling out
Shifts	Up to four shifts can be used; the current setting of the shift instructs a group to use one of the six directories
Interval Timer	Two stage timer specifying the delay before restarting the call out sequence when the end of the directory is reached; Adjustable from 1 minute to 4 hours
Acknowledge Code	Stops the transmission signal when received; 1 to 7 DTMF digits with individual codes allowed for each group
Interrogate Code	Forces annunciation of all active alarms; 1 to 7 DTMF digits with individual codes allowed for each group
Modem Code	Instructs the unit to answer the next incoming call as a data call; permits remote programming or data access to external equipment, 1 to 7 DTMF digits
Telephone Numbers Directory Structure Access	Up to 16 numbers in each of the 6 directories; each directory can hold up to 200 digits Multiple methods of security are available

Accessories

- External Antenna Kit
- Battery Back-up Power Supply
- Signal Amplifiers

- Solar Panel Packages
- NEMA Enclosures

BE BARNETT ENGINEERING LTD.

Tel: (800) 268-2646 • www.barnett-engg.com