ProTalk
EFFORTLESS SUPERVISION

**ALARM REPORTING &
CONTROL SOLUTIONS**

B1277
ProTalk Cv3

The ProTalk Cv3 provides advanced notification of potentially problematic situations with your site and/or equipment. Capable of monitoring both digital and analog inputs, the ProTalk Cv3 provides versatility and flexibility. The unit is integrated with an LTE cellular module allowing for installation in remote sites. Alarm notifications can be sent via phone, text, email, radio or PA System. Remote alarm acknowledgment, system interrogation and relay control is possible via phone and text.

ProTalk Cv3

The ProTalk Cv3 is a device used to notify an end user of alarm conditions. Alarm conditions are defined by the user and can include such things as pump failures, tank levels and pressure changes. Inputs can be defined as alarming or monitor only, allowing you to define which changes are most critical and require immediate notification. When an alarm condition occurs, the ProTalk Cv3 will announce the alarm using the internal cellular module. The unit will continue to call out using the predefined directory until such time as the alarm is acknowledged. The B1277 ProTalk Cv3 is very versatile and can be programmed to perform many more functions at the discretion of the user. It can:

- announce alarms over telephone, text, radio, PA, email or any combination thereof.
- be programmed to send coded tones along with the voice messages to activate such devices as radio pagers, relay and annunciator panels.
- perform remote control functions using the 4 relay outputs automatically or by receiving user defined DTMF codes or by SMS text message.
- use up to 4 alarm groups and shifts to create custom directories based on common alarms or time of day.
- email a daily activity summary report to notify you of all recorded activity
- email and/or text notifications when alarms are announced, cleared and/or acknowledged (for informational purposes only).
- email, text and/or phone regular status reports including alarm status and enabled analog values
- define security levels for incoming calls and text messages.
- require an access code for phone or text access to programming.
- interact with you in French (limitations apply, contact us for details).
- be installed in hazardous locations requiring Class I, Div 2 rating.
- function in extreme temperatures of -40℃ to +60℃ (-40°F to 140°F).

The ProTalk Cv3 is the industry standard in cellular alarm dialing and SMS notification and is designed to operate in urban, rural and remote sites across North America.

Highlights

- rated for hazardous areas - Class 1 Div 2
- flexible inputs can accept discrete contacts, analog voltage and analog current (4-20 mA)
- extreme temperature rating of -40℃ to +60℃ (-40°F to 140°F)
- receive Alarm Summary and Health Status Reports via Email or SMS text
- low power mode for solar panel applications

General Features

Display
- indicator LEDs and connector markings

Alarm Inputs
- 10 inputs; configured as Digital or Analog (0-5 VDC, 0-30 VDC and 4 - 20 mA loops)
- 2 Internal Alarm Points (Power Fail and System Alarm)
- plug-in screw terminal block accepts AWG 26 to 12 wire

Relay Outputs
- contact rating: 2 A / 30 VDC
- plug-in screw terminal block accepts AWG 26 to 12 wire
- 2 programmable contact terminals

Program Ports
- USB - for database programming, event log retrieval, cellphone diagnostics and alarm monitoring
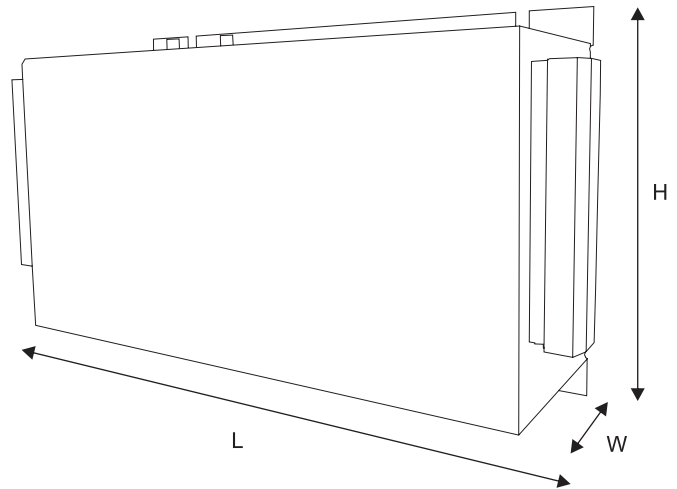- Telset - RJ11 connects to DTMF capable phone for voice recording and programming

Engineering Specifications

Enclosure	Steel, powder coated matte black Mounting ears for panel installation
Environment	-40°C to +60°C, 95% humidity, non-condensing
Connectors	Plug-in screw terminal block unless noted
Power	+9 to +30 VDC, negative ground, 1.0A Max. Internally fused at 1.85A Optional internal rechargeable 1.4Ahr 12 volt battery backup
Alarm Inputs	(10) All inputs will withstand up to +30 VDC Digital mode - Inputs 1-10: Internal 4.7k ohm pull-up resistor to +5 VDC Operate with ground closure Low state threshold of +2 VDC Trips when open or closed Analog voltage mode - Inputs 1-10: Impedance: 210k ohm (inputs 1-6) 75k ohm (inputs 7-10) Range: 0 to +5 or 0 to +30 VDC Analog current mode - Inputs 7-10: Impedance: 100 ohm between pins 75K ohm to ground Range: 4 to 20mA
Relay Outputs	(4) 2 contact terminals per relay, programmable as normally open or normally closed Contact Rating: 2A at 30VDC Latching relays - no continuous power required
Radio Port	• TX Audio: -20 dBm to 0 dBm, 600ohm impedance; unbalanced, AC coupled • RX Audio: -20 dBm to 0 dBm, 10 kohm impedance; unbalanced, AC coupled
Program Ports	USB: USB type B connector Telset: RJ11 connector, accepts standard touch-tone telephones Shutdown Switch Momentary pushbutton
Rating	CSA Certified to US and Canadian Standards, inc. Class I Div 2
SIM	2FF/mini SIM card

Dimensions

Length (L) cm (in)	Width (W) cm (in)	Height (H) cm (in)	Weight kg (lbs)
25.40 (10)	7.62 (3)	13.97 (5.5)	1.13 (2.5)

Available Accessories

PN	Description
INT BATT	1.4Ah 12VDC Internal Battery Backup
B1258	AC Adapter
NEMA	NEMA 4X Environmental Enclosure
ANT DB WIDEBAND	Wideband Antenna, for poor coverage areas
ANT OMNI	Omnidirectional Antenna, for good coverage areas
ANT DB PHANTOM	Bulkhead Mount Phantom Antenna
LP COAX	Coax Lighting Protector 700-2200MHz