

Wireless Voice-Alerting Transmitter



The Quick Talk Alert is a voice-alerting radio transmitter that reports changes in the status of switches by transmitting user-recorded voice messages to two-way mobile, portable, or base station radios.

How does that work?

The Quick Talk Alert monitors changes in the status of contact closures or switches, and automatically sends a user-programmable voice message to radio-equipped personnel.

Control loops are the most common control circuits found in industry. This control loop is usually wired into a metering circuit having a control switch and a relay. In the **on** position, the relay draws a specified amount of current. In the **off** position, current bypasses the switch. A change to between nominal levels activates the Quick Talk Alert to transmit your voice message to your two-way radio, either telling you “all systems are go,” or alerting you to a problem needing immediate attention. It’s that simple!

What does this mean?

Since the Quick Talk Alert is completely wireless, and battery-operated, it can be installed in a variety of indoor or outdoor locations.

And because the Quick Talk Alert can be connected to any **two** contact closure devices or switches, it monitors the status of power, temperature, pressure, liquid levels, smoke, leakage, machinery, tampering, or intrusion.

TYPICAL QUICK TALK APPLICATIONS:

• Power Status:

A large egg-producing facility installed Quick Talk Alert radios into 20 laying hen houses to monitor the on/off status of cooling and heating fans. The facility manager wanted a cost-effective add-on to his existing radio system that would monitor power conditions on a 24-hour basis. “...if fans fail, chickens overheat in the summer, or lose body heat in the winter,” he stated. “Either way, the chickens suffocate.”

The barns are spread out over several acres, so the facility manager easily programmed (recorded his voice messages into) the Quick Talk Alert radios using a standard pulse telephone—a rotary unit may also be used—in both English and Spanish. He included the specific poultry house identification number in his various message alerts: **Cooling fan failure 12B!** (*Falla del ventilador 12B!*)

“Any farm hand can respond immediately, especially when doing other chores,” the manager explained.

According to the facility manager, the Quick Talk Alert radios could potentially avert a disastrous and costly loss of live-stock, since as each house contains nearly 1.5 million dollars worth of laying hens.

• Fluid Levels:

A northeastern cranberry grower installed Quick Talk Alert radios to monitor fluid levels in various areas of the bogs. It was explained that cranberries must be totally immersed in water during the growing season. Any water level changes will seriously affect crop yield. We’ve had a drought situation here going on two seasons,” Marshall, the owner, described. “That means we must pump water into the bogs.” In the past, the only way to verify water levels was visually, using measuring stakes. “...but that’s not always practical on a 24/7 [24-hours-per day, 7-days-a-week] basis,” he said.

The Quick Talk units were programmed with two unique messages, since the floatation switch measures two specified fluid levels. “The Quick Talks are activated once water level drops to 6 inches, then again if the level drops below the preset safety margin.”

Quick Talk™

Application Note: RQT-AN01

**Using 0-5V and 4-20mA Analog Inputs
(Sensing 4-20mA Control Loops with QT)**

“Since the Quick Talk Alert is completely wireless and battery-operated, and installation is so simple, it does not need any special hard wiring. In addition, Marshall stated, “...the Quick Talk Alert housing is weather resistant, making it a snap to deploy or relocate in outdoor areas.”

Thousands of uses in the following industries:

- Agribusiness
- Banking-ATMs
- Construction
- Hotels/ Motels
- Maintenance
- Manufacturing
- Marinas & Port Facilities
- Oil & Gas Operations
- Process Control
- Property Management
- Radio & TV Stations
- Retail Stores
- Schools
- Security
- Trucking

Converting 4 - 20 mA Control Loops to 0 to +5V Logic Inputs

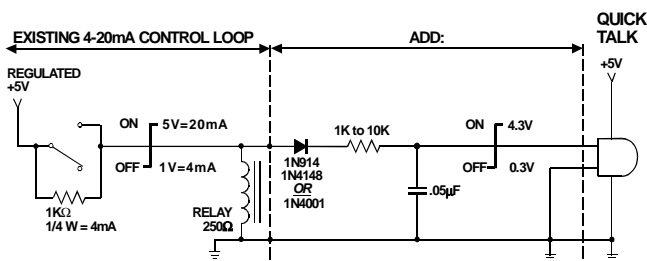


FIG-1

Converting 4 - 20 mA Control Loops to 0 to +5V Logic Inputs

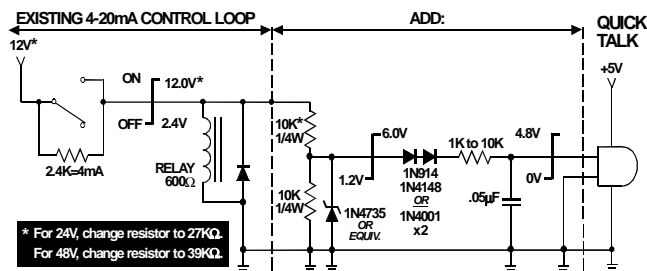


FIG-2

Common Quick Talk Applications:

- Alarm Tampering
- Bilge Pumps
- Door Open/Close
- Flow Rate Limits
- Fluid Levels
- Humidity Levels
- HVAC/ Refrigeration
- Lighting Controls
- Moisture Detection
- Movement Sensing
- PH Limits
- Power On/Off
- Power Surges or Failure
- Pressure Levels/ Limits
- Sound or Vibration Detection
- Temperature Limits/Deviations
- Timers
- Ventilation/ Fans
- Remote generators
- Machinery Controls
- Line Stoppages
- Spillage
- Status Detectors



Optional Mag
Mount
Antenna



Quick Talk
OutPost
Callbox



Quick Assist
Callbox w/
Recorded Voice Message



Quick Talk
Lookout
Callbox