

Generator Monitoring

Three Leading Causes of Standby Generator Malfunction



1. Low Fuel

A mechanical readout of fuel-levels may not always be 100 percent accurate, so it may be hard to gauge if you don't have a digital display. While it may be similar to a vehicle's readout, the main difference is that a vehicle is constantly in motion; a generator tank doesn't move and therefore can become stagnant or stuck in position until a vibration causes them to move break free and display the correct information. Many generators are also equipped with "Low Fuel Level Shutdown," which causes the control panel to shut the generator down to prevent the fuel intake allowing air into the system.

2. Low Coolant Levels

When the coolant is low, the most obvious cause is either an internal or external leak. Closely inspect whether there are any puddles of coolant strangely appearing on the floor or around the unit. Many home standby generator units will come equipped with an alarm, however most do not have a dedicated alarm for low or leaking coolant. Typically, the alarm associated with coolant will be for a high temperature shutdown. If this alarm goes off, you can determine that the coolant temperature was too high and the machine shut itself off to prevent damage from overheating.

3. Battery Failure

The number one cause of generator failure and service calls is battery failure. A very common cause of battery failure is sulfated build-up on the battery itself. When enough of the area is covered in the sulfated sediment, the battery will no longer be able to pass a current and will typically need a full replacement. Other common causes of battery failure include defective charging circuits, loose or broken terminals, and age.

While there are many reasons for a home standby generator to fail, the best way to prevent generator failure is to conduct regular and routine maintenance, and generator monitoring to detect faults before they cause problems. Wireless Generator Monitoring from CRN provides real time notifications of Run and Stop, faults, missed exercise, and maintenance reminders, plus much more. All sent right to your cell phone or email inbox, giving you and your customers confidence and peace of mind.

**Build your recurring revenue, and provide your customers with peace of mind,
with Wireless Generator Monitoring from CRN**

News and Events

Five Year Anniversary of Super Storm Sandy



This October will mark the five-year anniversary of catastrophic super storm Sandy. Before hitting the United States, Sandy ripped through the Caribbean, causing widespread destruction, injuries and death. By the time Sandy made landfall in Kingston, Jamaica she was a Category 2 hurricane, and then strengthened to a Category 3 storm before battering Cuba, Haiti and the Dominican Republic. While churning up the relatively cooler Atlantic, she weakened to a Category 2, but also grew to be the largest tropical storm in recorded history, with a wind diameter of over 1,000 miles.



The storm was responsible for over 230 deaths, more than half of which were in the United States. An estimated 7.9 million businesses and households were without electric power in 15 states and the District of Columbia. Sandy damaged or destroyed at least 650,000 homes and 250,000 insured vehicles. More than 300,000 business properties were also affected. New Jersey and New York were hit the worst, with an estimated \$56 billion in damage of the more than \$70 billion in total US damage. The damage done by the storm can still be seen today in several US states and the Caribbean.

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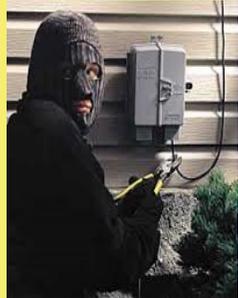
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Alarm Communications

Transition Alarm Systems off Landlines NOW to Keep Subscribers Secure

There are three important reasons you should transition every subscriber's alarm system off wired landline communications, and onto fast and secure wireless solutions:



- Traditional "copper" landline telephone networks (POTS and PSTN) are being 'retired' by the Regional Bell Operating Companies (RBOC's) at an ever-increasing rate, and recent Federal and State rulings have virtually eliminated any regulatory hurdles which prevented the RBOC's from eliminating their copper networks.
- For alarm control panels which utilize a DACT (Digital Alarm Communicator Transmitter, aka "dialer"), alternative voice landlines (VoIP, SIP, etc.) are unreliable and unpredictable. Most of these services use Least Cost Routing (LCR, a simple practice that finds the most inexpensive way to route phone calls to the destination), so even when the DACT seems reliable during installation and testing, this can change at any moment, without notice.
- All wired landlines (whether copper, fiber-optic or coaxial cable) can be cut by burglars or severed during construction mishaps or natural disasters, rendering the alarm system unable to communicate.

By switching your alarm systems to secure wireless communicators from CRN Wireless, you'll eliminate the problems which plague wired landlines, and increase both subscriber security, **and** your RMR. CRN offers CDMA, GSM and LTE Cellular Communicators, and proprietary UHF Radio Communicators.

Industry Trends

New LTE Communication Devices

CRN Wireless announced the release of its new LTE communicator line up. As with other CRN communicators, the LTE models are universally compatible with virtually all control panels.

The new LTE communicator provides the industry with a Long-Term Evolution ("LTE") product, operating on LTE wireless spectrum, which provides increased capacity and speed of wireless data through advanced digital signal processing techniques and modulations.

"At CRN Wireless, we continuously innovate to support the needs of our customers and help them succeed," said Tony Saunders, Senior Vice President. "In addition to sunset-free UHF communicators that we have offered for over 30 years, the new LTE cellular line provides our customers with yet another network option."

With the introduction of LTE, CRN Wireless expands its product offering of wireless communicators to include the most options available in the industry, ranging from cellular products that include 2G, 3G, 4G and LTE technologies across multiple carriers to sunset-free UHF products. LTE devices are now available for purchase through distributors or directly from CRN Wireless.



To order your LTE device:

Call 631-696-2769 x 306 or email sales@crnwireless.com