Enhancing Senior Living Emergency Call (E-call) Systems with Environmental Monitoring

Emergency call, or e-call, systems are considered a necessary component of any senior living community, particularly for independent living residents, as it lets them move about their day with the peace of mind provided by knowing that help is a button press away. For decades Inovonics has provided the most-reliable wireless pendants, transmitters and network infrastructure available to help e-call providers meet this need. Now with thousands of properties across the country using the Inovonics infrastructure, Inovonics' e-call customers are well positioned to cost-effectively add environmental monitoring.

- **Profitable:** Offer more, sell more
- **Flexible:** Easily customizable solutions
- **Cost effective:** Leverage EchoStream® to do more
- **High quality:** Developed by Inovonics so you know it works

Environmental Monitoring Products

Dual Input Temperature Transmitter	Temperature/Humidity Transmitters	Water Detector	Temperature Detector
The **EN1723** dual input temperature transmitter provides internal measurement and external thermistor options in a single device.	Our temperature/humidity transmitters are designed for monitoring of ambient and extreme conditions. Normal Operations **EN1721** Harsh Environments **EN1722** (Requires ACC710)	The **EN1751** water detector provides early warning against damage caused by leaking appliances and standing water when used with the Honeywell® FP280 or Flair Electronics® 1010-H2OS36-EN1751 *Probes sold separately.*	The **EN1752** temperature detector enables programmable temperature threshold alarming for ambient temperatures and external monitoring when used with the Honeywell® T280R temperature probe. *Probe sold separately.*

Applications

The chart below details the Inovonics environmental monitoring transmitter line, with examples of how each can be applied to senior living communities. This is a proven line of transmitters that leading commercial monitoring companies have employed for decades in health care, food service and building automation applications. All use the universal housing and mounting options your installers are already familiar with. Plus, because they are EchoStream products, you can count on the reliability you've come to expect from Inovonics.

Applications

Reports temperature at user-defined intervals to monitor refrigerated food, vaccines and medications*, activities of daily living and faucet temperature

Product: EN1723 temperature transmitter

Reports temperature and humidity at user-defined intervals to monitor stored medications, activities of daily living and storage areas. The EN1721 monitors ambient conditions and EN1722 uses an external probe.

Product: EN1721 and EN1722 temperature/humidity transmitters

Alarms when probe detects ¼" of standing water to mitigate risk of damage due to leaks and overflows

Product: EN1751 water detector

Alarms when temperature reaches user-defined high or low thresholds for activities of daily living, pipe freeze and to safeguard storage areas.

Product: EN1752 temperature detector

Accessories

- Inovonics environmental monitoring programming app and Inovonics ACC17XX programming cable
- Cooper Atkins Solid Simulator and Glycol Solid Simulator
- Other 3rd party and clamp-on probes (for water pipes) meeting the following specs:
    Resistance between 100 and 250,000 ohms, optimal accuracy at 10,000 ohms (10K); positive temperature coefficient (PTC) or negative temperature coefficient (NTC) supported

- Inovonics environmental monitoring programming app and Inovonics ACC17XX programming cable
- For EN1722, Inovonics ACC710 external temp/humidity probe

- Inovonics environmental monitoring programming app and Inovonics ACC17XX programming cable
- Honeywell FP280 probe
- Flair Electronics 1010-H2OS36-EN1751 and 3010-H2OS180-EN1751 probes

- Inovonics EN1752 programmer app and Inovonics ACC17XX programming cable
- Honeywell T280R probe

Some applications using an external temperature probe, such as monitoring refrigerated foods or vaccines, may require calibration. There are several options available depending on what best fits your and your customers' needs. Because probes are relatively inexpensive, you may choose to simply replace the probes are regular, pre-defined intervals. Alternatively you or your customer can calibrate probes using a reference probe on-site. Finally, off site calibration services are available. If calibration is required for your application contact your Inovonics account manager to determine which option is best for you.

Contact us today to add environmental monitoring to your e-call system

All environmental monitoring products are compatible with the EN4000 and EN6040 receivers, with our EchoStream developer guide providing details for integration into e-call applications. Please contact Inovonics technical services with questions at support@inovonics.com or (800) 782-2709, option 2. Contact your account manager or customer service for pricing information.