

Sensor Technologies

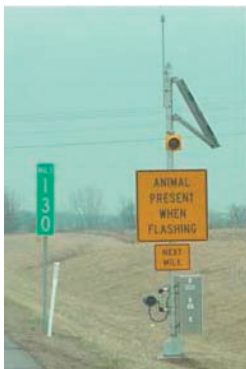
SocketModem Industrial Module Proves Reliable Under Extreme Conditions

Every year vehicular collisions with wildlife in the U.S. cause approximately 150 deaths and tens of thousands of injuries. This results in an estimated cost to our society of over \$1.2 billion per year. Sensor Technologies & Systems, Inc. (STS), an industry leader in applying Radar and RF technologies, has developed a Roadway Animal Detection System (RADS) to solve the problem. Embedded in the unit is a Multi-Tech SocketModem® industrial module, which provides the crucial telephony interface for control and telemetry.

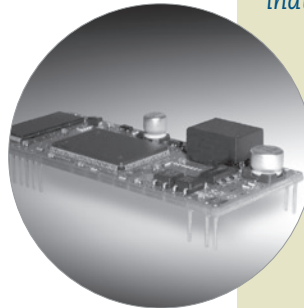
RADS is a remote sensing system that provides the necessary reliability and accuracy to assist drivers in avoiding accidents with animals on the roadway. Using RADS, large animals are detected entering the roadway, which automatically triggers the warning device. Drivers are thereby alerted to the presence of animals on the roadway and can react in advance to avoid a potential accident.

The SocketModem industrial module embedded in the RADS system located near Big Sky, MT is being used to provide a telephone interface for control and telemetry. The system is installed on US191 inside the Yellowstone National Park. Data for each crossing is recorded in the master unit and can be downloaded onsite, or remotely via the SocketModem module.

"The initial installation used other equipment, which was unable to perform under all environmental conditions and with the relatively poor quality of the telephone line at this location," explains Lloyd Salsman, Senior Engineer at Sensor Technologies. "The Multi-Tech SocketModem solution, however has operated for over a year with no failures. This year, we have experienced temperatures above 90° F to -20° F and it has worked flawlessly under these extreme conditions."



The SocketModem industrial module provides reliable modem communications in applications where temperatures and other conditions can be extreme. It is ideal for industrial automation applications as well as for outdoor remote equipment monitoring such as the RADS system. Designed with components rated for extreme temperatures, the SocketModem module operates in temperature ranges from -40° to +85° C. This allows you to provide mission-critical, uninterrupted data communication in any environment without worrying about system downtime.



SocketModem Industrial Module

- Complete modem solution including the controller, data pump, and DAA
- Operates over the industrial temperature range of -40° to +85° C
- Meets reliability specifications for vibration and shock
- Global compliance
- Universal socket connectivity

Sensor Technologies & Systems, Inc. (STS) is an

industry leader in applying Radar

and RF technologies to solutions

and products delivered to the

government and industrial

markets of the world. Employing

some of the most experienced and

renowned scientists and development

engineers in the field of radar and

RF technology, STS has designed and

developed numerous products and

solutions for both government and

commercial applications. STS is focused

on developing and producing products

for three business areas - safety and

transportation, security

systems and radar and

missile systems.



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