

Application Guide



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Network Extension by RF

Control networks can be extended through otherwise inaccessible areas by means of Radio links. The systems can then be easily managed and monitored from a site that is readily accessible.

An example of this would be an environmental monitoring system that is installed in a remote area and monitored and/or controlled by a central site. The remote site's network can be unattended, thus limiting the need for human invasiveness in a restricted access area, yet all necessary network maintenance can be performed without physical presence at the remote site.

The functionality to do this is provided by CTI's NCB /RF™ Network Combiner.

Potential Users:

- Utility Power Monitoring
- Environmental Monitoring
- Security Systems
- Terminal Facilities

NCB /RF™ is placed at the remote site and at the central site. Both devices contain LONWORKS® router technology for complete network transparency. This means that no special programming is necessary, so that the system integrators can concentrate on the system's function. Anything that needs to be done at the remote site can be done as though the head-end were installed at that very site!

The NCB /RF™ is made in several models, differing primarily in type of radio, frequency and range. Radios are available for distances up to 50 miles line of sight. Considering the cost of cabling, the devices pay for themselves rapidly.

Suggested Architecture

