

Advanced Remote Control Solutions For Industrial Applications

Control Chief's new Communicator™ and Watchdog module expand the versatility of the SLC-500 platform to serve as a true wireless remote control solution for applications in a wide variety of industries. These include:

- Railroads
- Nuclear Power
- Aircraft & Jet Engine Assembly
- Aerospace
- Material Handling
- Pharmaceuticals
- Missile Manufacturing
- Shipbuilding
- Mining
- Automotive
- Propane
- Utilities
- Steel Manufacturing
- Agriculture
- Pulp & Paper
- Automotive Guided Vehicles
- Entertainment

Innovation Like This Takes Experience

This technology was developed by Control Chief Corporation, a world leader in wireless radio and infrared remote control products. More than three decades of experience in designing, manufacturing and installing state-of-the-art remote communication systems emphasize Control Chief's mission. Our systems are tailored to virtually any environment or application. Control Chief provides training, technical support, and comprehensive system design to maximize performance. Whether it's precision robotics, operating high-powered heavy equipment, or keeping pace with your SLC communications system, Control Chief Corporation delivers unparalleled safety, performance, reliability and most of all, control.



CONTROL CHIEF CORPORATION
P.O. Box 141 Bradford, PA 16701

1-800-233-3016 814-362-6811 FAX: 814-368-4133

<http://www.controlchief.com> E-mail: sales@controlchief.com



The Communicator™

Creating Successful
SLC Solutions
Out Of Thin Air



The Strongest Link In Your SLC System Is Invisible

Wireless SLC Communications From Control Chief Corporation

Now you can take your SLC system to a higher level of performance with the Communicator™, the integrated wireless communications module designed as part of the Rockwell Automation Encompass Program for the Allen-Bradley SLC-500 controller.

Developed by Control Chief Corporation, the innovator in wireless remote control technology, the Communicator™ installs directly into the SLC-500 chassis. Unlike a modem, it communicates across the backplane as opposed to using an external, serial interface. Therefore, the Communicator™ lets you eliminate those hard-wired cables and extra layers of connectivity that can impede communications. It creates a "virtual wire" that delivers superior performance and maximum flexibility in all SLC applications.

This eliminates the high installation and ongoing maintenance costs associated with hard-wired systems.

Its base/remote topology can support up to 255 nodes. In addition, it is compatible with Control Chief hand-held remote control units. The Communicator™ is designed to meet the performance needs of the most demanding applications.

The Intelligent Solution For Today's Smart SLC Systems

The Communicator™ is the high-performance SLC platform that's easy to configure and expand. It has all the features you need to make your wireless remote applications more efficient, flexible and reliable.

- No FCC site license required (wide band modules)
- Supports narrow band, and wide band communications
- Data rates up to 115.2 Kbps with 2.4 GHz wide band
- Superior range to 802.11 wireless LAN devices
- Easy to configure from Allen Bradley's I/O configuration window along with front panel DIP switches
- Four easy-to-read front panel diagnostic LEDs
 - Link Status
 - Transmit Data
 - Receive Data
 - Module Fault



The Shortest Distance Between Two Points Is Thin Air

Compatible with all SLC-500 Modular CPUs, the Communicator™ uses radio propagation to wirelessly interconnect one or more SLC-500 chassis. This can be achieved either by simple point-to-point connectivity or by means of a more complex multi-node network

topology. With the Communicator™ on the job, information is processed quickly. The information is communicated directly over the SLC-500 backplane, and remote data throughput rates are some of the fastest in the industry.

Easy to program with standard "ladder logic", the Communicator™ can transport data via scanned I/O.



Safety Is A Sure Thing With This Watchdog In Control

Now real time **CONTROL** can be successfully obtained incorporating Safety Emergency Shutdown circuits. Control Chief's Watchdog module is specifically designed to be used in conjunction with the Communicator™ module to achieve a true "Fail Safe" operation. Safety is the foremost goal with the implementation of the Watchdog module and its associated hard-wired safety circuits. The module provides 10 amp, Normally Open, isolated relay contacts to interface to the Main Line Contactor (MLC) of the remote controlled machinery. These circuits are strictly maintained by monitoring flawless operation of the SLC-500 CPU and application specific ladder logic program. Control Chief Corporation is the only company that can tightly integrate RF techniques into a PLC platform with reliability and safety levels appropriate for wireless **CONTROL** of critical operations.