Contact Closure Products

900 MHz
COMMPAK I/08, WEB I/O, WBCU

Experience the ENCOM difference!
Simple, powerful, wireless on/off control systems

ENCOM’s Contact Closure products are saving lives and monitoring critical assets by providing simple, rugged and reliable wireless on/off control for public safety and industrial applications.

ENCOM’s Contact Closure products use state-of-the-art 900 MHz frequency-hopping spread-spectrum technology. These products provide bulletproof wireless communication, operating in mission critical applications and preventing traffic accidents when employed in commercial vehicle inspection stations, traffic signal pre-emption systems and school-zone flashing beacon systems.

Contact Closure products integrate with numerous applications, adding agility and flexibility to existing systems. With infinite routing possibilities, remote operation and exact diagnostics, these products ensure effective, dependable operation for a host of applications without the installation costs and time constraints of wired systems. Solar powered options are complimented by the low power consumption each Contact Closure unit requires.

Simple to integrate, the Contact Closure series supports all typical system designs, including point to point, point to multipoint, and multipoint to multipoint. Operation is long range at up to 20 miles and multiple repeater levels are supported for extending communication. Latency is low, keeping delays at a minimum and innovative timer outputs can be pre-programmed for up to two hours, eliminating the need for timer relays while reducing costs. Bi-directional communication enhances confirmation ability.

Each unit is built and supported by over 25 years of industry experience, includes a five year warranty and comes with powerful, user-friendly ControlPAK or ZoneWatch software. These programs incorporate highly visual, straightforward tools for remote maintenance and configuration while precise diagnostics minimize issues and downtime. Also included is a spectrum analyzer for determining accurate noise levels and optimal operating frequencies.
Available in Three ENCOM Models:

**COMMPAK I/O 8**
- 8 Inputs and 8 outputs
- Robust on/off control
- Can monitor multiple events
- Covers a broad range of applications
- Range of up to 20 miles

**WEB I/O**
- Ethernet-based 900 MHz master radio
- Includes a web server
- Wide-area control of up to 254 remote units within a 20 mile radius
- Includes ZoneWatch software for centralized control

**WBCU (Wireless Beacon Control Unit)**
- 900 MHz remote radio to complement WEB I/O
- Integrated real time clock
- Expedited installation through plug-and-play design
- 2 relay outputs for seamless integration
- Built-in real time clock battery backup
- Internal storage ensures operation if communication is lost with master radio

Solution Example:
**SCHOOL-ZONE FLASHING BEACONS**
- Private Network or Internet
- Workstation
- Web I/O
- WBCU
- Running ZoneWatch Software

Solution Portfolio:

**Intelligent Transportation Systems**
- Traffic & Emergency Warning Systems
- Remote Vehicle Detection
- Emergency Vehicle Pre-Eemption
- Gate Open & Closure
- Airfield Lighting
- School-Zone Flashing Beacons
- Traffic Ramp Metering
- Gate Open & Closure

**Water/Waste Water Management**
- Pump/Lift Stations
- Reservoir Monitoring
- Remote Valve Controls

**Electrical Utilities**
- Automated Meter Reading (AMR)
- Automatic Circuit Reclosures (ACR)
- Smart Grid Support
- Fault Monitoring

**Industrial SCADA Networks**
- Remote Irrigation Systems
- Dust Detection
- Pipelines
- Oil and Gas
- Mining

**Private Networks**
- LAN & WAN Extensions
- Business Continuity Planning
- Disaster Recovery Planning
- Mobile Workforce
- Hotspot Enablement

For more information on ENCOM’s Safe2School system, check out [http://www.encomwireless.com/our-solutions/safe2school](http://www.encomwireless.com/our-solutions/safe2school) or refer to the Safe2School brochure.
**About ENCOM:**
ENCOM, a Global Wireless Solutions Provider, creates field proven, cost-effective wireless data solutions for municipal and industrial clients, with applications involving:
- Intelligent Transportation Systems
- Public Safety Communications
- Municipal Corporate Security and IT Networks
- Water and Waste Water Management
- Electrical Utilities
- Oil and Gas

**Who relies on ENCOM?**
- Municipal Governments
- Corporate IT Departments
- Departments of Homeland Security
- Departments of Transportation
- Emergency First Responders
- Mobile Workforces
- Private Networks

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**Customer Testimonials:**
- City of Aurora, Colorado
- City of Burnaby, British Columbia
- City of Calgary, Alberta
- City of Greeley, Colorado
- Los Alamos County, New Mexico
- Macomb County, Michigan
- Missouri DOT
- North Carolina DOT
- City of San Jose, CA
- City of Tampa, Florida
- TxDOT

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**Please visit** [www.encomwireless.com](http://www.encomwireless.com) **for customer cases, testimonials and additional information on all ENCOM products and services.**