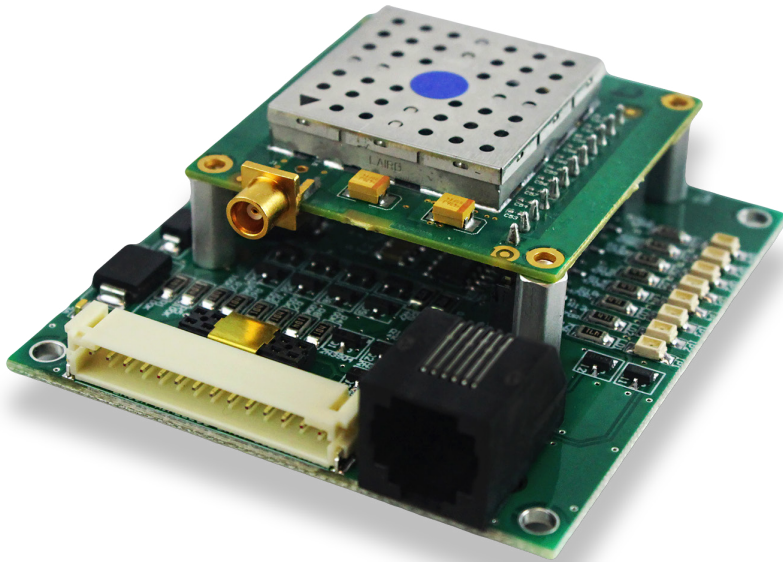


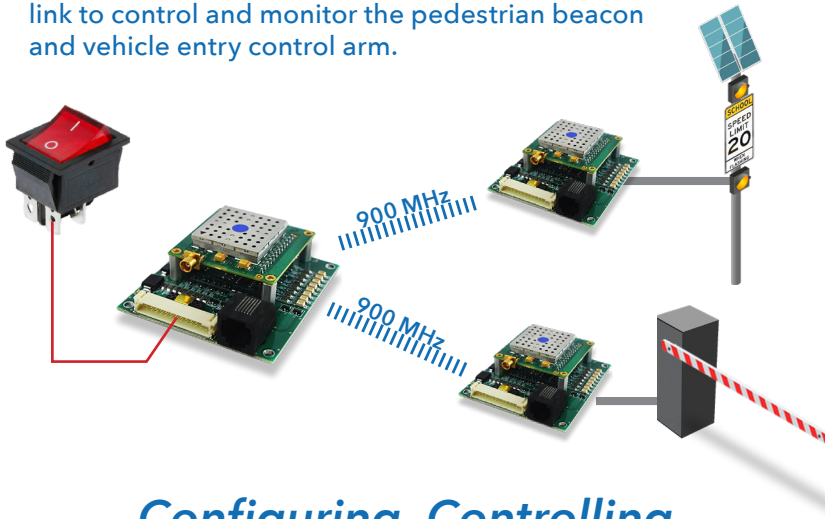
COMMPAK I/O4

OEM WIRELESS CONTACT CLOSURE



Example Network Application

Switch on the left attached to Master COMMPAK I/O4 which communicates with two nearby units over 900 MHz link to control and monitor the pedestrian beacon and vehicle entry control arm.



**Configuring, Controlling
and Monitoring your Encom
Equipment is EASY with
ControlPAK and Stratos I/O!**



KEY FEATURES

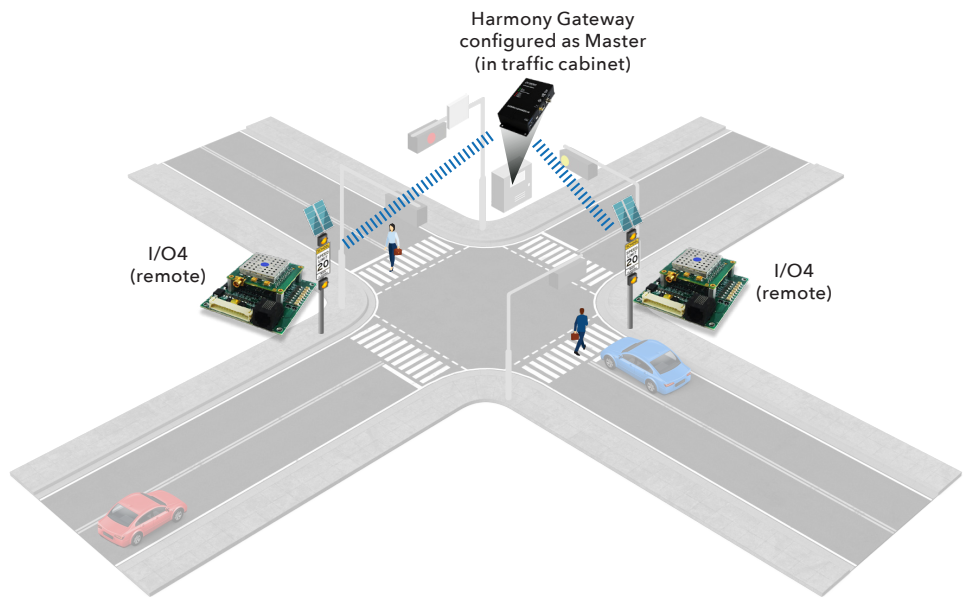
- 4 digital inputs + 4 digital outputs
- Direct Contact Closure connection—no interface or driver required
- Extensive delay timing functions available for each input/output
- Up to 20 mile line-of-sight range
- Full 1-Watt transmitter
- Built-in repeater extends range
- Extensive security features
- Fully compatible with Encom Contact Closure and Harmony products allowing for a hybrid system and maximum flexibility
- *Additional functions become available when used with Stratos Elite and Encom Gateway products...*
 - ✓ 365-day calendar scheduling
 - ✓ NTP server clock synchronization
 - ✓ Remote schedule change & override
 - ✓ Plus much more!

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WIRELESS

TYPICAL APPLICATIONS

- Manual or scheduled control of:
 - ✓ Lighting
 - ✓ Traffic warning signs
 - ✓ Electronic door locks & gates
 - ✓ Wide area irrigation systems
 - ✓ Electric pumps, motors, fans, etc.
 - ✓ Backup power supplies
- Intrusion detection for doors, windows
- Extending input/output from traffic controllers to other devices
- Pedestrian push buttons with remote monitoring & override capability
- Advance warning for high water under bridges or detecting over-height trucks



GENERAL SPECIFICATIONS

Input Power	6-30 VDC
Power Consumption	10 mA @ 12VDC (configured as Remote) 65 mA @ 12VDC (configured as Master)
LED indicators	Input 1-4, Output 1-4
Operating Temperature	-40°F to 176°F (-40°C to 80°C), up to 95% humidity RHNC
Dimensions	2.40" W x 0.75" H x 2.60" D
Weight	2 oz.
Optional Enclosure	Milled aluminum, black powder coated 4.75" W x 1.73" H x 3.75" D

RADIO SPECIFICATIONS

Technology	Frequency-hopping spread spectrum (FHSS) with repeater capability
Frequency Range	902-928 MHz, ISM Band
Output Power	1mW, 10mW, 100mW, 1000mW
Receiver Sensitivity	-110dBm @ 10-6BER
Error Checking	32-bit CRC
Encryption	32-bit proprietary or 128-bit AES
Antenna Port	MCX Female
Certification	FCC, Industry Canada

CONNECTIVITY

Programming port	RJ12
Configuration, Monitoring & Control	Stratos IO, ControlPAK, Stratos Elite

ORDERING OPTIONS

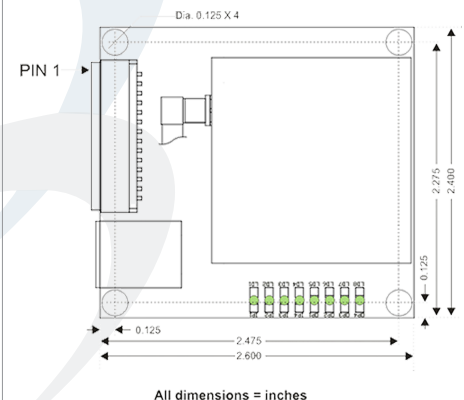
- **CommPAK I/O4:** 4 IN, 4 OUT Wireless Contact Closure OEM Transceiver
- **BH-1202:** Enclosure
- **CB-900:** RP-TNC Female Bulkhead to MCX Male RA RG316 8-inch
- **CB-109:** Programming Cable with RJ12
- **BH-37:** Power supply, 100-240 VAC, 50/60 Hz, 12 VDC, 1.6 A
- **BH-3100:** I/O4 Cable Harness with PWR & Terminal Block
- **BH-3100A:** I/O4 Cable Harness with flying leads
- **BH-3100B:** I/O4 Cable Harness for Carmanah Flasher
- **BH-3100C:** I/O4 Cable Harness for Carmanah Flasher (Master)

INDUSTRIAL I/O

Digital Inputs	4 (0 to 30 V Ground activated)
Digital Outputs	4 (Open collector (3-30 VDC, max. 500 mA))
Data Interface	Asynchronous (RS232 signal level)
Serial Baud Rate	1200, 2400, 4800, 9600, 19200, 28800, 38400, 57600, 115200 bps
I/O Connectors	On-board JST S14B-PH-SM4-TB (LF (SN))
I/O Logging	Yes (System with one of the Encom Harmony Gateway products)

Pin Configuration

Pin	Function
1	Power (+ve)
2	GND
3	TXD (RS232 I/P)
4	RXD (RS232 O/P)
5	GND
6	Input 1
7	Input 2
8	Input 3
9	Input 4
10	Output 1
11	Output 2
12	Output 3
13	Output 4
14	GND



*ENCOM Broadband radios require professional installation.

Specifications subject to change without notice. Visit www.encomwireless.com for updates.

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