

BlueGuard™

BLUETOOTH® ENABLED STAND-ALONE ACCESS CONTROL

Completely hands-free, stand-alone access control system. No cards to swipe, buttons to press, or gizmos to carry. All you need is a Bluetooth® enabled cell phone!

BlueGuard recognizes Bluetooth® enabled cell phones when they move into range, verifies the phone's unique ID and activates its output to the access control system. Up to 10 cell phones may be bonded with the BlueGuard for hands-free access.

BlueGuard's user interface features a secure, magnetically activated switch to place the unit in set-up mode. During set-up BlueGuard reads Bluetooth® devices that are within range and allows the user to select bonding with BlueGuard using the cell phone's keypad by entering your unique PIN. The PIN prevents unauthorized users from accessing the control functions of the unit.

BlueGuard may be mounted on a gooseneck, on the gate operator or any location in the proximity to the entry point and easily wired to provide activation.

FEATURES

- Up to 33 foot hands free detection range
- Stores up to 10 cell phone IDs in non-volatile memory
- Relay outputs pulse or presence on normally open and normally closed contact connection
- Arming input inhibits activation unless vehicle is present (when used with loop detector)
- Water-tight enclosure
- PIN protected programming

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APPLICATIONS

Open gates, overhead doors and parking barriers with your Bluetooth® enabled cell phone. It provides similar functions to RFID systems with three major advantages:

1. BlueGuard range is up to 33 feet compared to RFID range of 4 inches. There is no need to open the car window when activating the BlueGuard reader, potentially getting wet or compromising your security
2. BlueGuard connected to overhead door control station prevents unauthorized openings of doors
3. BlueGuard is activated by your cell phone so you don't need RFID cards. In addition to the convenience of not having to deal with an additional item, there is a cost saving; **no need for RFID cards**
4. BlueGuard is used in a hands free fashion; simply by carrying your phone you use the access control system. No need to look for an access card or wave it next to the RFID reader

ORDERING INFORMATION

- | | |
|-----------------|--|
| BG-FE | BlueGuard Control Module Free Entry or Exit. (includes BG-A-KIT) |
| U-BOX | Weather tight wiring box with cover (optional) |
| BG-A-KIT | Accessory Kit (includes magnet, 2 locknuts and 90° elbow. |

EMX
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AN ISO 9001:2000 company
certificate# US07/910

SPECIFICATIONS

RADIO	BLUETOOTH® Class 2 (up to 10 meter, 33 foot range)
INDICATORS	Blue status LED
CONTROLS	Secure, magnetic switch requires magnetic placement in correct location to activate programming mode for pairing with Bluetooth® devices.
INPUTS	ARM input, allows activation only when vehicle is present. Connect ARM to ARM common to deactivate BlueGuard output. Disconnect ARM to ARM common to activate BlueGuard output.
OUTPUTS	Form "C" relay (Contacts: normally open, common, normally closed) 2A @ 30VDC 0.5A @ 120VAC
CONNECTIONS (4 FT CABLE)	Power (positive and negative) (Red + Black -) Relay normally closed contact (White) Relay common contact (Green) Relay normally open contact (Brown) ARM input (Orange) ARM common (Yellow) Not Used (Blue)
POWER	12 – 30 VDC and 24 VAC @ 40mA (reverse polarity protected)
OPERATING TEMPERATURE	-40°C ... 82°C (-40°F... 180°F)
NON-VOLATILE MEMORY	10 Cell Phone IDs and a PIN number
HOUSING	Sealed, PVC with 4 foot cable output
DIMENSIONS	1.05" x 7.1" (26.6mm x 180.34mm)
WEIGHT	0.15 lbs (68g)
NOTE	Some phones do not allow simultaneous BLUETOOTH® connections, therefore, may not respond to BlueGuard when the phone is paired with a wireless headset or other BLUETOOTH® device. Refer to your phone's owner's manual for further information.

ACCESSORIES



Locknut (2)



90° elbow



Magnet
for programming



BlueGuard installed
on 3 button station



BlueGuard installed
on U-BOX (optional)



BlueGuard installed
on a gate operator

Trademark Notices

Bluetooth® is a registered trademark of Bluetooth SIG Inc.

BlueGuard™ is a trademark of EMX Industries Inc.

Note: BlueGuard is not recommended for use on operators that utilize a single button controller. Pulse to open / Pulse to close.

WARRANTY

EMX INC. provides limited warranty for the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship.

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