



**EAGLE FENCE**  
★ DISTRIBUTING LLC ★

# BlueGuardFE

BLUETOOTH® ENABLED ACCESS CONTROL

## 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

# BLUEGUARD®



**EMX**

INDUSTRIES

**EMX Industries, Inc.**

4564 Johnston Parkway, Cleveland, Ohio 44128

P. 800 426 9912 F. 216 518 9884

**Sales Inquiries:** [salesupport@emxinc.com](mailto:salesupport@emxinc.com) **Technical Support:** [technical@emxinc.com](mailto:technical@emxinc.com)

[www.emxinc.com](http://www.emxinc.com)

## Indicators & Controls

- **Indicators** Blue status LED
- **Controls** Secure, magnetic switch requires magnetic placement in correct location to activate programming mode for pairing with Bluetooth® devices.



## Accessories



BlueGuard® installed on 3 button station



BlueGuard® installed on U-BOX (optional)



BlueGuard® installed on a gate operator



Magnet for programming

## Technical Data

<b>Radio Inputs</b>	BLUETOOTH® Class 2 (up to 10 meter, 33 foot range) 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.
<b>Outputs Connections (4 FT Cable)</b>	Form "C" relay (Contacts: normally open, common, normally closed) 2A @ 30VDC 0.5A @ 120VAC 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)
<b>Power Operating Temperature</b>	12 – 30 VDC and 24 VAC @ 40mA (reverse polarity protected) -40°C ... 82°C (-40°F... 180°F)
<b>Non-Volatile Memory</b>	10 Cell Phone IDs and a PIN number
<b>Housing</b>	Sealed, PVC with 4 foot cable output
<b>Dimensions</b>	1.05" x 7.1" (26.6mm x 180.34mm)
<b>Weight</b>	0.15 lbs (68g)
<b>Note</b>	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.

## 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.

WARRANTY EMX INC. 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. Rev 2.1 07/09/08