APPLICATION NOTE

ZIP CODE

The purpose of this Application Note is to define the procedure for programming using the ZIP code function.

The scope of this procedure is limited to the IXIO Family sensors.

INSTRUCTIONS

There are two intended purposes for use of the ZIP Code functionality:

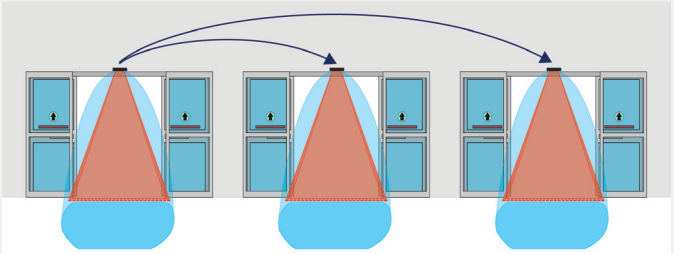
- "Copy-and-Paste" – When installing multiple sensors in identical environments, it is used as a form of "copy-and-paste"; i.e. program one sensor, and then use the ZIP code to program the remaining sensors (see image in *APPLICATION EXAMPLE*)
- More precise troubleshooting – When contacting BEA Technical Services with programming issues, Specialists can use the ZIP code to access all current settings of the sensor in question

The IXIO ZIP code is composed of 18 digits which can be letters (A – Z) or numbers (1 – 9).

The combination of these letters and numbers, in zipped format, summarizes the sensor's parameters and settings.

In order to avoid confusion with certain numbers, the letters O, I, J, and M are not used.

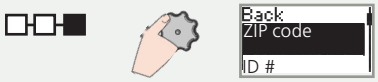
APPLICATION EXAMPLE



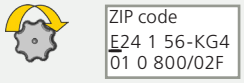
storefront w/multiple sets of automatic doors in identical environments

USING ZIP CODE TO INSTALL MULTIPLE SENSORS

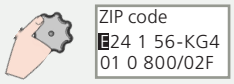
1. Install the sensor per the applicable User's Guide.
2. Once all settings have been programmed, write down the ZIP code from the DIAGNOSTICS menu.
3. After each additional sensor is installed, update the ZIP code into the ZIP CODE screen of the DIAGNOSTICS menu using the following instructions.
   a. Go to the DIAGNOSTICS menu on your LCD screen and click on ZIP code.



   b. Turn the gray button to scroll through the digits.

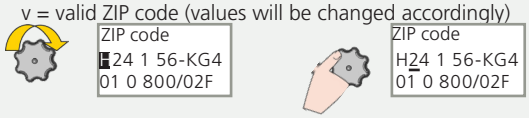


   c. Push the gray button to change a specific digit.

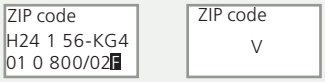


   d. Turn to scroll through the letters and numbers, and push again to change.
   e. Validate the last digit in order to activate the new ZIP code.

v = valid ZIP code (values will be changed accordingly)



x = invalid ZIP code (no values will be changed and the old code is still valid)



To exit this mode without changing the ZIP code, scroll to the front or back until the underscore is no longer visible.

v/x = valid ZIP code, but from a different product version (only available values will be changed)

4. Conduct a safety check to ensure compliance with ANSI 156.10.

VIEW SETTINGS USING ZIP CODE APP

1. Download the BEA DECODER application on your smartphone.

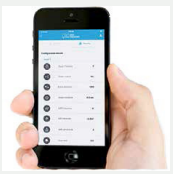
ANDROID APP ON Google play

Available on the App Store

2. Go to the DIAGNOSTICS menu on your LCD screen and then click ZIP CODE.

3. Type the displayed ZIP code in the BEA DECODER app.

4. An overview of all of the sensor's settings and values is displayed.



see next page for parameter indications

The following chart is a cross-reference for corresponding parameters and how they are displayed on LCD, remote control, and mobile app.

PARAMETER	LCD DISPLAY	APP ICON / TEXT	R.C. BUTTON
Radar field size	RAD:Fieldsize	Radar fieldsize	
Radar output	RAD:Output	Radar output	
Infrared immunity	AIR:Immunity	AIR Immunity	
Infrared frequency	AIR:Freq.	AIR Frequency	
Radar hold time	RAD:HoldTime	Radar holdtime	
Radar direction	RAD:Direction	Radar direct.	
Radar immunity	RAD:Immunity	Radar immunity	
Infrared presence time	AIR:PresTime	AIR maxTime	
Infrared output	AIR:Output	AIR Output	
Infrared width	AIR:Width	AIR curtain	
Infrared curtain number	AIR:Number	AIR curtain nb	
Redirection	Redirection	Output redir. (F1)	
Door bell	Bell	Door Bell	

BEA, INC. INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor outside of its intended purpose.

BEA, Inc. strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor system installation is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSI/DASMA 102, ANSI/DASMA 107).

Verify that all appropriate industry signage and warning labels are in place.