

FCC ID: M5ZFDEZIO

## **Point Six, Inc.**

### **Installation and Operation Instructions Wireless IR Field Disturbance Sensor Model FDEZIO**

**Description:** The IR field disturbance sensor counts directional disturbances in its IR field and transmits packets which contain information pertaining to these counts. It is installed in locations where object counting is desired.

**Service Switch:** Briefly pass a magnet over the service reed to activate the module. .

**Packet Structure: "DirectionCtr" (65/64)**

**IDSSSSSSSSSaaaaabbbbbCCCCCKK<CR>**

*Note: All fields are in ASCII Hex*

**"ID"**  
The device type field: Directional Counter has device type **65** hex. A **64** hex when in service mode.

**"SSSSSSSS"**  
The MS-30 bits of these 4-bytes are the serial number of the Directional Counter. The LS-2 bits are the status flags. The meaning of the status flags are:

Bit 1	Bit 0	State
0	0	Blocked
0	1	Okay
1	0	Line power alarm
1	1	Battery Alarm

**"aaaaaa"**  
This 24-bit field is the direction "A" counter stored LS-byte first. **Count s in Direction "A"**.

**"bbbbbb"**  
This 24-bit field is the direction "B" counter stored LS-byte first. **Count s in Direction "B"**.

**"CCCC"**  
This field is the CRC-16 error check as was originally received and checked. This CRC is over the first 11 bytes of the packet starting with the device type and ending with but not including CRC-16.

**"KK"**  
This field is the mod 256 sum of all the binary data values as represented by the ASCII hex values in the response but does not include the <CR>.

Note: "Blocked" is when the sensor's beam has been blocked for typically 10 seconds.

Example Packet

6510732581FF0000FE0000464516

SN = 10732580; state = Okay; CountA = 255; CountB = 254

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**MADE IN USA**

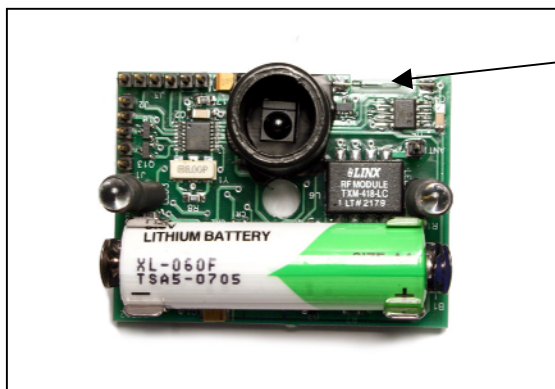
**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.



Magnetic service switch.