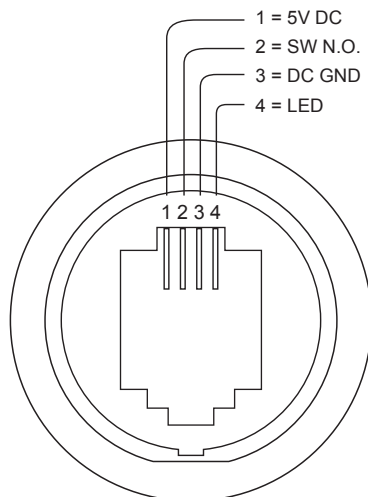


# Model PX-100 AirSelect<sup>TM</sup> Proximity Sensor

## Touchless Proximity Sensor with LED Feedback

SHOWN 2XACTUAL SIZE



VIEW FROM REAR OF  
 SENSOR BODY

The AirSelect sensor is designed to be a direct physical replacement for 19mm push-buttons in an interactive electronic display. Touchless controls help prevent disease transmission in public spaces.

### Functional Characteristics

- Compact stainless steel face infrared touchless control
- Custom LED colors and behavior available
- Host GPIO device controls LED functions by driving LED pin low
- Presence indicated by switch pin driven low

### Inputs and Outputs

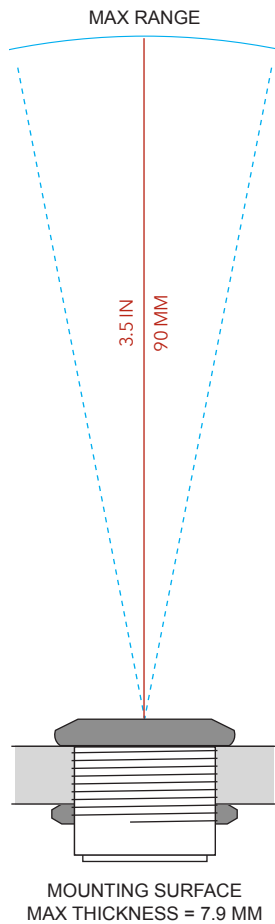
- Standard Inputs: 940nm IR proximity sensor
- Detection Distance: ~3.5" maximum
- Standard In/Out: 1x AirSelect RJ9 port
- Indicators: 4x single color LEDs (standard = white)

### Power Input Specification

- Power Entry Port: 1x AirSelect RJ9 port
- Voltage: 5.0V DC
- No-Load Current: 25mA
- Maximum Load Current: 50mA

### Mechanical Details

- Case Type: custom molded 19mm housing
- Outer Diameter: 24mm
- Mounting Hole Diameter: 19mm
- Maximum Material Thickness: 5/16" (7.9mm)
- Weight: 8g (includes nut)
- CAD Drawing: available on request
- Spacing: locate sensors on 3 inch centers or greater



## **Firmware Details**

- Automatically changes to Plus Mode when HX-200 host is detected
  - Plus Mode (requires HX-200)
    - Communicates serially to host device
    - Auto-Acknowledge LED function enabled
    - LED default *on*
    - LED *off* when covered
  - Basic GPIO Mode (default mode)
    - Host GPIO device controls LED functions by driving LED (-) pin low
    - Presence indicated by switch pin driven low
    - Custom configurations available on request

## **Compatible Devices**

- Model HX-100 AirSelect Hub
  - Basic Hub for proximity functionality
  - Connects to host device via individual 4-conductor cables
- Model HX-200 AirSelect Hub
  - Provides advanced functionality including custom LED behavior
  - Connects to host via individual cables or serial connection

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