

# LR Occupancy Sensor

## 78021 Data Sheet

The 78021 Large-Room Occupancy Sensor provides a unidirectional monitoring pattern, detecting movement over 1200 ft<sup>2</sup>, even through glass. Upon detecting movement, the occupancy sensor will activate, sending a signal to the connected TEK3 TekMonitor that the room is occupied. When movement is no longer detected, a countdown timer begins, shutting down the room's A/V equipment once the countdown ends if no further movement is detected.

TEKVOX multi-technology occupancy sensors use both infrared and ultrasonic technology for unparalleled monitoring without creating false triggers. Sensors automatically adjust to a room's usage, allowing for easy install with no programming required. Occupancy sensors allow a room's A/V control system to extend projector lamp life by shutting down equipment in unoccupied rooms. Other benefits include substantial energy savings, control of a room's lights, interfacing with the HVAC system, and room occupancy monitoring for crisis management.

### Features:

- 180° motion sensing for up to 1200 sq. ft.
- Easy installation w/ single mounting arm & 3 color-coded wires for interface to TekMonitor
- Internal processor continually adjusts sensitivity and time delay for optimal performance
- Automatic equipment and lighting shut-down
- Shipped fully functional, pre-programmed, and rigorously tested



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## 78021 Technical Specifications

<b>Multi-Technology</b>	Uses both IR and Ultrasonic sensors
<b>Coverage</b>	180° 1200 Sq. Ft.
<b>Output</b>	24 VDC Active High
<b>Transducer Pairs</b>	2
<b>Frequency</b>	40 kHz
<b>Housing</b>	Rugged, high-impact, injection molded plastic
<b>Color</b>	White
<b>Power Requirements</b>	24 VDC, 25 mA
<b>Temperature</b>	32 ~ 104°F (0 ~ 40°C)
<b>Humidity</b>	0 ~ 95%
<b>Product Dimensions</b>	5.5" (140mm) x 2.75" (70mm) x 0.6" (15mm)
<b>Product Weight</b>	3.2 oz. (91g)
<b>Certifications</b>	CUL/US, ASHRAE Standard 90.1, CEC Title 24

Specifications are subject to change without notice