

OptionFinder® IR

Technical Specifications for Wireless Keypad Model OptionFinder IR 2100K



shown actual size

Base Station: OptionFinder® IR 2100B

Dimensions: 6.13" W x 4.5" D x 1.7" H.

Unit Weight: 7.7 ounces

(28.3 ounces with cable and power supply).

Speed: Within 0.5 to 1 second, a receiver processes responses from up to 50 keypads transmitting simultaneously on a single IR channel.

Includes:

- 35 foot long serial cable.
- Base Station connection: RJ45. PC connection: DB9.

UL/CSA rated low voltage power supply. Input: 110-220

VAC. Output: 12 VDC. Current draw: less than 0.5 A.

Does not include accessories such as carry cases. These additional items are priced separately.

Enclosure

Lightweight, compact, blue A.B.S. plastic molded enclosure.

Dimensions: 5.5" L x 2.5" W x 1.31" H.

Weight: 3.5 ounces

User Input

Rubber membrane with 19 tactile switch keys.

0 through 9; True/False; Decimal Point; Dash; Send; Question; Backslash; Clear; Flag; Yes/No; A-E

Display

Green and Red LED provides response entry confirmation and is visible in reduced lighting conditions. Optionally indicates correct (Right) or incorrect (Wrong) answer choice by participant.

Power and Power Management

Powered by two inexpensive AA batteries.

Batteries provide sufficient power for heavy daily use over a six month period.

User Identification

Each keypad has a unique address between 1 and 250. Keypads operate independently of one another, and keypad addresses are programmable via software utility.

Individual pads can be password-protected to preserve configurations.

IR Technology

Proprietary two-way infrared system provides reliable line of site operation between keypads and their associated OptionFinder IR Base Station. Each keypad buffers the response and continues to transmit until acknowledgement is received. Responses easily bounce off walls, ceilings and other surfaces for easy point-and-click participation.

IR technology means different systems can be used in an unlimited number of rooms in the same facility so long as the rooms do not share windows or connected visual open space. No FCC or International licenses are required.



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