PRODUCT DOCUMENT

KI-IB — Quick Start Guide

Kidde KI-IB Detector Mounting Base with Fault Isolator • Installation & commissioning reference

Before you begin

The KI-IB is a detector base with an integrated fault isolator. It is intended for Class A fire alarm circuits and must be used with a compatible detector. Follow the approved fire-alarm design, manufacturer's installation documentation and applicable codes.

1. Select the base

Use KI-IB for the standard base arrangement. Use KI-IB4 where a 4-inch square electrical box and supplied trim skirt are required.

2. Mount the base

Mount the base to the compatible electrical box using the approved mounting hardware. The bases provide room-side accessible wiring terminals.

3. Connect the Class A circuit

Connect the incoming and outgoing data/SLC conductors according to the manufacturer's terminal/wiring diagram and the approved project drawings. Maintain the Class A circuit topology.

4. Install the detector

Install the compatible detector head. The isolator requires a detector to be installed in order to operate.

5. Verify the isolator

During commissioning, verify that a simulated line short produces the expected isolation behavior and that the remaining loop continues to communicate as designed.

Commissioning reference

Check	Expected behavior
Normal operation	Detector and loop communicate normally
Line short	Isolators open within 23 msec
Recovery sequence	Isolators close at 10 msec intervals from the controller side
Isolator beside fault	Reopens within 10 msec when it reaches the faulted section
Remote LED	Not supported on KI-IB isolator base

Final checklist

✓ Correct KI-IB / KI-IB4 base selected
✓ Compatible detector installed
✓ Class A wiring verified

✓ Panel/device communication verified
✓ Fault-isolation test completed
✓ Restoration verified after fault removal

Important

Do not use this quick-start reference as a replacement for the manufacturer's installation/wiring sheet or the approved fire-alarm commissioning procedure.