

Installation Instructions
Model FDBZ492-RTL
Remote Alarm Indicator

INTRODUCTION

The FDBZ492-RTL Remote Alarm Indicator (Figure 1) works with the FDBZ492-R or FDBZ492-PR Air Duct Housing with Relays. The LED on the remote indicator mimics the color of the LED on the detector. Use the remote indicator in applications where the detector is not easily viewed, such as air ducts and drop ceilings.

The FDBZ492-RTL also works with FDBZ492-HR to monitor and test its relay output. Its LED will indicate if the relay is in standby (GRN) or alarm (RED) state.

The FDBZ492-RTL provides a key operated detector test function. When this key is turned to the Test position, the relay on the FDBZ492-R, FDBZ492-PR and FDBZ492-HR Air Duct Housing will activate and the LED will flash red.

When the key is turned to the Normal position, the relay on the FDBZ492-R, FDBZ492-PR and FDBZ492-HR Air Duct Housing will deactivate and the LED will flash green.

Each FDBZ492-R or FDBZ492-PR Air Duct Housing with Relays can drive one FDBZ492-RTL; however, the total number of detectors and remote indicators must not exceed 30 devices on an initiating zone.

The FDBZ492-RTL contains an LED indicator that flashes in one of three colors: green, yellow, or red. When the FDBZ492-R or FDBZ492-PR Air Duct Housing with Relays flashes, the remote indicator flashes in the same color. The flashes occur approximately every 7 seconds and are described in Table 1.

TABLE 1*

LED Status	Indicates
Green	Normal supervisory operation. Smoke sensitivity within rated limits.
Yellow	Detector requires service or is operating beyond its environmental specifications or outside of the detector sensitivity range.
Red	Alarm condition. LED flashes every 2.5 seconds
No flash	Detector or FDBZ492-RTL is not powered or requires repair.

*Applicable to conventional detectors only

INSTALLATION

The remote indicator may be placed up to 25 feet away from its associated detector using 14-18 gauge wire.

- 1. Use a single-gang switch box (user supplied) for mounting the FDBZ492-RTL.
- 2. Wire as shown in Figure 2.
- 3. Electrical Ratings: 0.2mA (max) @ 24VDC
- 4. Refer to the FDBZ492 Installation Instructions, P/N A6V10336866, for connection to the addressable detector air duct housing.

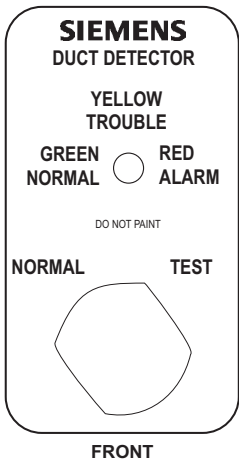


Figure 1
FDBZ492-RTL
Remote Alarm
Indicator

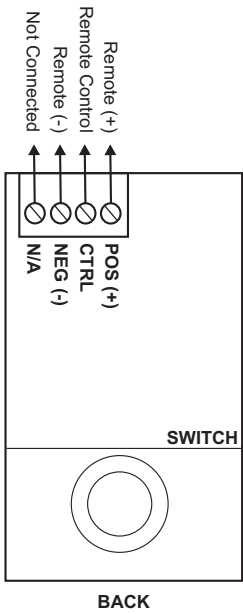


Figure 2
FDBZ492-RTL
Connection Diagram