



DH100 Series Duct Smoke Detector Replacement Detector Board



A Division of Pittway
3825 Ohio Avenue, St. Charles, Illinois 60174
1-800-SENSOR2, FAX: 630-377-6495

Replacement Detector Boards

- Ionization Detector Board: part number A5052
- Photoelectric 2-Wire Detector Board: part number A5180
- Photoelectric 4-Wire Detector Board: part number A5190

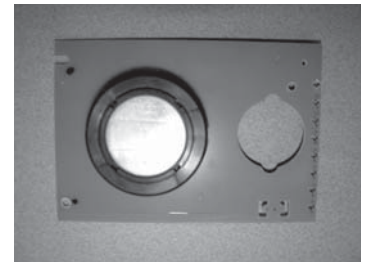
**NOTE: PHOTOELECTRIC DETECTOR BOARDS CAN ONLY BE INSTALLED IN PHOTOELECTRIC DUCT SMOKE DETECTOR MODELS; IONIZATION DETECTOR BOARDS CAN ONLY BE INSTALLED IN IONIZATION DUCT SMOKE DETECTOR MODELS.
IMPROPER INSTALLATION WILL VOID ALL AGENCY APPROVALS.**

Detector Board Replacement Instructions

1. Notify the proper authorities that the smoke detector system is undergoing maintenance and that the detector will temporarily be out of service.
2. Turn off power to the duct smoke detector.
3. Remove the two detector board mounting screws.
Retain screws for installation of new board.
4. Pull gently on the board to remove it from the detector housing.
5. Align the board mounting features, holes, and interconnect terminals with the features on the duct smoke detector housing.
6. Push the board into place.
7. Secure the board with the two board mounting screws.
8. Perform the detector checks as outlined in sections 6.2.1 and 6.2.2.1 of the Installation and Maintenance Instructions to ensure proper detector operation. The tests performed must include:
 - A. Visually check to see the green power LED blinks once every ten seconds, indicating power to the duct smoke detector. If the green LED does not flash, the detector lacks power (check wiring, panel or power supply), the detector board is missing (install), or the unit is defective (return for replacement).
 - B. Perform the magnet test to initiate an alarm condition. Reset the detector using the local reset button, remote accessory or system control panel.



A5180/A5190: Photoelectric
Detector Board



A5052: Ionization
Detector Board

Return all ionization boards to System Sensor for proper disposal: System Sensor
3825 Ohio Avenue
St. Charles, IL 60174

For additional assistance in this process or questions, please contact System Sensor Technical Service at 800-SENSOR2 (800-736-7672).



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DH100 Series Duct Smoke Detector Replacement Power Board

Replacement Power Boards

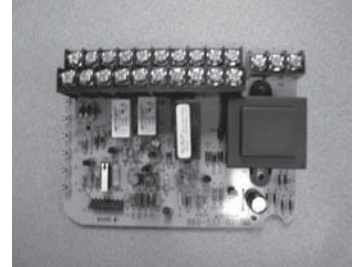
Two-Wire Power Board: part number A5061

Four-Wire Power Board: part number A5064

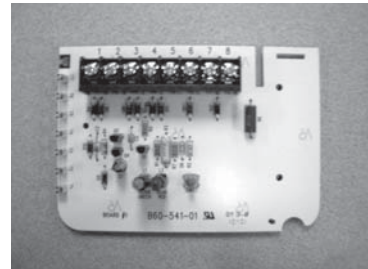
NOTE: TWO-WIRE POWER BOARDS CAN ONLY BE INSTALLED IN TWO-WIRE DUCT SMOKE DETECTOR MODELS; 4-WIRE POWER BOARDS CAN ONLY BE INSTALLED IN 4-WIRE DUCT SMOKE DETECTOR MODELS. IMPROPER INSTALLATION WILL VOID ALL AGENCY APPROVALS.

Replacement Power Board Installation Instructions

1. Notify the proper authorities that the smoke detector system is undergoing maintenance and that the detector will temporarily be out of service.
2. Turn off power to the duct smoke detector.
3. Mark the location of all wires to the terminal block.
4. Disconnect all wiring from the terminal block.
5. Remove the two power board mounting screws. **Retain screws** for installation of new board.
6. Pull gently on the board to remove it from the detector housing.
7. Align the board mounting features, holes, and interconnect terminals with the features on the duct smoke detector housing.
8. Push the board into place.
9. Secure the board with the two board mounting screws.
10. Reconnect all wiring to the terminal block.
11. Apply power to the duct smoke detector.
12. Perform the detector checks as outlined in sections 6.2.1 and 6.2.2.1 of the Installation and Maintenance Instructions to ensure proper detector operation. The tests performed must include:
 - A. Visually check to see the green power LED blinks once every ten seconds, indicating power to the duct smoke detector.
 - B. Perform the magnet test to initiate an alarm condition. Reset the detector using the local reset button, remote accessory, removing power or system control panel.



A5064: 4-Wire Power Board



A5061: 2-Wire Power Board

For additional assistance in this process or questions, please contact System Sensor Technical Service at 800-SENSOR2 (800-736-7672).