



PRODUCT INFORMATION

The 3-SSDC module provides one Class A or Class B Signature data circuit for Signature Series detectors and modules. The module also provides a connection for powering conventional 2-wire smoke detector circuits on Signature Series modules.

Note: Adding a second 3-SDC card to a 3-SSDC converts the 3-SSDC into a 3-SDDC and requires that you redefine it as such in the project database.

The 3-SSDC module supports the full complement of Signature diagnostic features including mapping. The module features a hinged front panel for mounting displays or a blank protective faceplate.

The 3-SDDC module provides all the features of the 3-SSDC plus support for a second Signature data circuit.

All field wiring connections are made via plug-in connectors that permit termination of field wiring without the module installed in the enclosure. The plug-in connectors and snap rivet mounting also facilitate rapid troubleshooting without the use of tools.



WARNINGS

This product contains components that are sensitive to static electricity. Failure to follow proper handling procedures may result in equipment damage.

Rail modules may not be plugged into the rail chassis assembly while voltages are present on the rail. Failure to de-energize the panel before plugging in the rail module may result in equipment damage.

Do not flex the filter card or exert excessive pressure on the field wiring connectors when installing the filter card.

Do not connect field wiring or connect/disconnect the terminal block without supporting the back edge of the filter card to avoid flexing the filter card.



SPECIFICATIONS

Installation:	1 LRM space on rail chassis
Module Configuration:	3-SSDC: 1 Signature Data Circuit 3-SDDC: 2 Signature Data Circuits
Smoke Power:	24 Vdc @ 85 mA
Maximum Wire Size:	12 AWG (1.5 mm ²)
Termination:	Removable plug-in terminal strips on module
Operating Environment:	82 - 120 °F (0 - 49 °C) 93% RH, non-condensing
Circuit Configuration:	Class B (Style 4) or Class A (Style 6)
Circuit Capacity:	125 Signature Series detectors and 125 Signature Series modules per circuit.
Circuit Resistance:	79 Ω, max.
Circuit Capacitance:	0.33 μF, max
Current Requirements	
Standby:	3-SSDC: 158 mA 3-SDDC: 242 mA
Alarm:	3-SSDC: 177 mA 3-SDDC: 261 mA

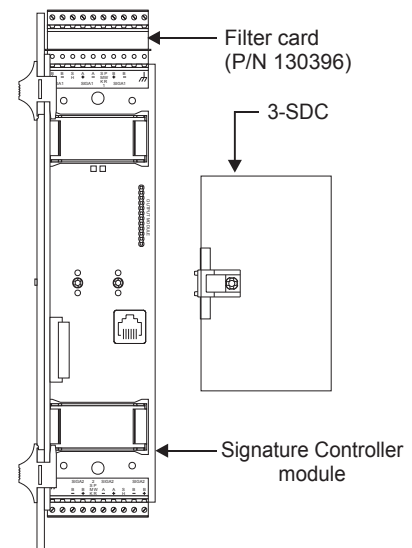


INSTALLATION INSTRUCTIONS

1. Connect the 3-SDC card(s) to the appropriate connectors on the back side of the rail module assembly. See Figure-1.
Note: If the height of the DC to DC converter on a 3-SDC card prevents you from adding it to Circuit 2 on a 3-SSDC module then move the 3-SDC in Circuit 1 to Circuit 2 and install the new 3-SDC in Circuit 1.
2. If a control/display module is required, install it at this time. Refer to the instructions provided with the control/display module.
3. Carefully plug the filter board(s) into the connector(s) on the rail module and install the module on the rail.
4. Before connecting the field wiring, test the field wiring for opens or shorts.

When a circuit checks out properly, connect it to the appropriate terminals as shown in the diagram on the next page. Polarity is indicated for normal monitoring of the circuit's electrical integrity.

PRODUCT DIAGRAM



INSTALLATION SHEET

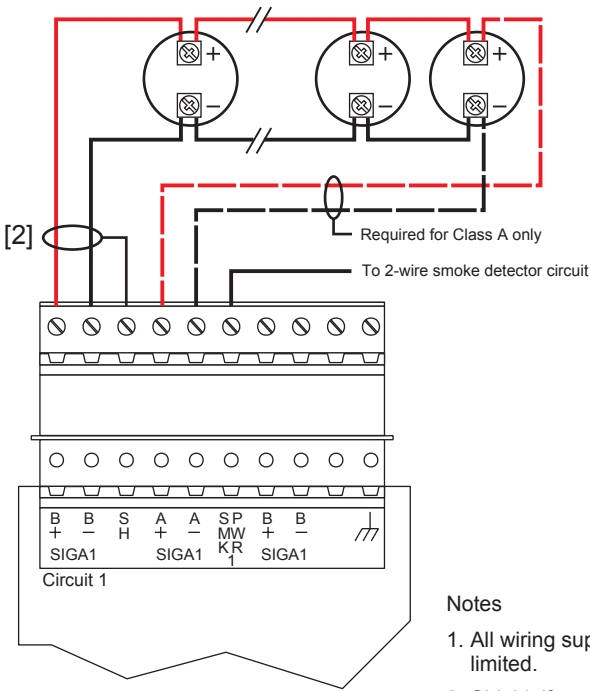
3-SSDC, 3-SDDC Signature Controller modules and 3-SDC Signature Data Circuit card

INSTALLATION SHEET P/N: 270491	FILE NAME: 270491.CDR
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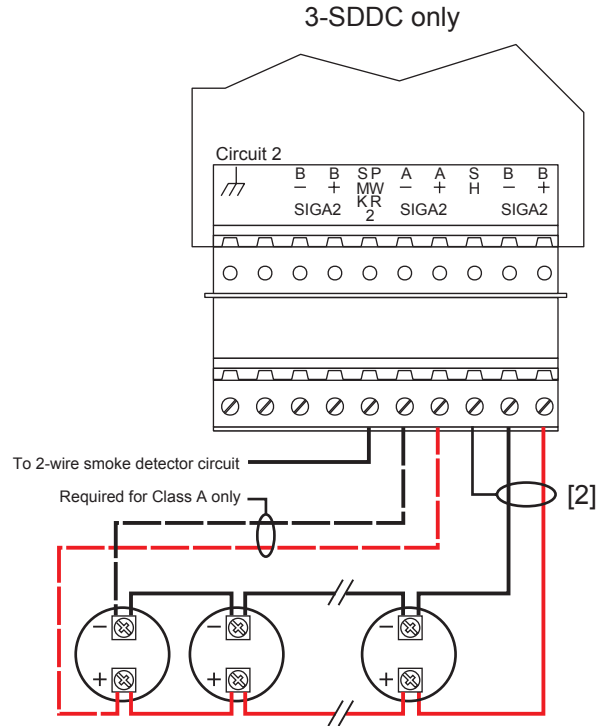
WIRING DIAGRAM



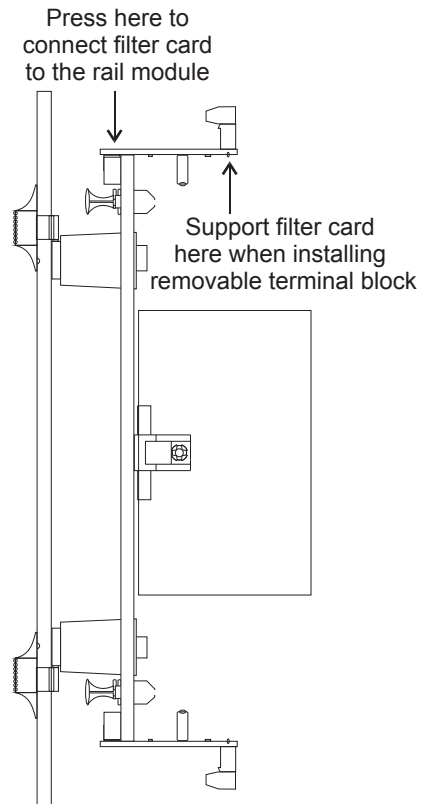
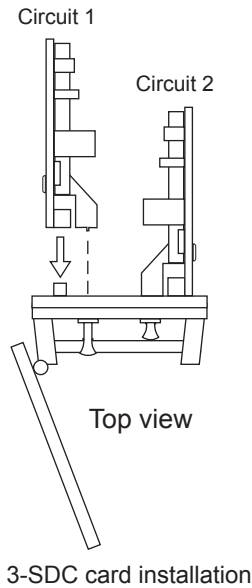
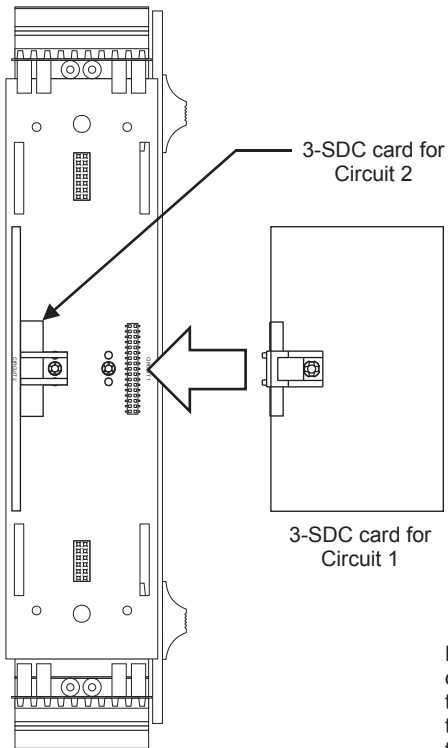
3-SSDC and 3-SDDC

Notes

1. All wiring supervised and power-limited.
2. Shield, if used, must be continuous and free from earth ground.



INSTALLATION INSTRUCTIONS (CONT.)



Note: If the height of the DC to DC converter on a 3-SDC card prevents you from adding it to Circuit 2 on a 3-SSDC module then move the 3-SDC in Circuit 1 to Circuit 2 and install the new 3-SDC in Circuit 1.

Figure-1: Filter card and 3-SDC card installation