

Alarm Splitter Module

Specifications

In order to expand the monitoring output capabilities of the System Studies Digital Panels, we now offer a rack-mountable Alarm Splitter Module (Part No. 9800-4451). The alarm splitter makes it possible to direct the panels' Dual Digital Panel Meter (DDPM)* flow and pressure contact alarms to two separate office monitors: the 289H / 289H-M LSS and a secondary alarm monitor, such as a Dantel. One Alarm Splitter Module will accommodate up to 12 DDPM components, plus one additional contact alarm—for a total of 25 devices.

The front of the Alarm Splitter Module is equipped with 25 LEDs, each of which represents a single contact alarm. When an LED is illuminated, the red diode indicates that the designated contact alarm is activated. LEDs are arranged sequentially left to right, starting with the high flow contact alarm for the DDPM designated as #1, followed by the DDPM's low pressure contact alarm. This sequence is repeated for each DDPM according to its position in the rack.

Located on the back of the Alarm Splitter Module are cutouts for a 2-pair power module and three 25-pair female amphenol connectors—one for the incoming connector block cable and two for the outgoing monitor cables. Like the Digital Display Panels, the Alarm Splitter Module is intended to be powered by -24VDC. A DC to DC Power Converter (Part No. 9800-3196) can be purchased to convert -48VDC battery power to -24VDC for use with the Digital Panels and Alarm Splitter Module. One DC to DC Power Converter will supply power to over 20 digital panels and one Alarm Splitter Module.

Features

- Generates independent bi-directional alarm output (redirects DDPM high flow and low pressure alarms to both the 289H LSS and one additional monitor type)
- Provides monitoring capability for up to 12 DDPM units (24 digital panel alarms), plus one additional contact alarm
- Indicates in-alarm condition via bright LED display
- Simple setup and installation (accepts standard 25-pair amphenol cables)
- Rack-mountable chassis, space saving design

Power Requirement

- -24VDC—utilizes DC to DC Converter (Part No. 9800-3196)
- Wiring via removable 2-pair power module
- Requires 20 or 22 gauge wire between DC to DC Converter and Alarm Splitter Module

Cabling

- Equipped with three 25-pair amphenol cable connectors (one for incoming cable from connector block; two for outgoing cables to monitoring equipment)
- Connector gender: female (all three)

Dimensions

- Alarm Splitter Module P/N 9800-4451
- DC to DC Converter P/N 9800-3196
- Chassis: 17.75 in wide (45.1 cm) x 4.25 in deep (10.8 cm) x 1.44 in high (3.7 cm)
- Face Plate Bracket: 23 in wide (58.4 cm) x 0.125 in thick (0.32 cm) x 1.75 in high (4.4 cm)
- Weight: approx. 6 lbs (2.7 kg)



Front View (Part No. 9800-4451)



Back View

System Studies Incorporated



2-1340 East Cliff Drive
Santa Cruz, CA 95062
(831) 475-5777
(800) 247-8255
(831) 475-9207 FAX
www.airtalk.com

* The Dual Digital Panel Meter is the flush-mounted component on the Digital Panel which includes the LED displays for flow and pressure, the alarm setup and adjustment buttons, internal wiring circuitry, and cabling for the power supply and monitoring device pairs (both the High Resolution Dual [pressure/ flow] Transducer and the high flow and low pressure contact alarms). Depending upon type, a Digital Panel will contain either one or two DDPM units.