

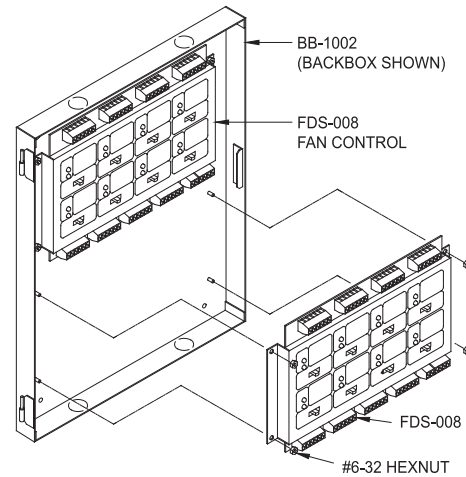
Description

Mircom's universal FDS-008 Fan Damper Control module is a stand alone unit designed to handle up to 8 fan control circuits. Each circuit comes with a Form 'C' relay contact and indicator for Fan Status. The indicators are comprised of a green LED for "ON" and a red LED for "OFF". In addition, each circuit is provided with a three position slide switch to independently set the fan to either "OFF", "AUTO" or "ON". In "AUTO" mode setting, each circuit can be wired in parallel so that all the fans connected to it activate at the same time whenever the Fire Alarm unit is active or in "alarm". Any of the circuits can be configured as "Normally On" for building air circulation which automatically shuts-off whenever an "alarm" condition occurs to avoid the spreading of smoke. In addition the circuits can be configured as "Normally Off" which activates only when an "alarm" condition occurs to pressurize the stairway areas. The Fan Damper Control module also has input terminals for each circuit to monitor the status of the fan, thus providing a true fan status. The module can be powered with a 24 VDC, 300mA external DC power source or by using Mircom's standard PS-24 power transformer. The PS-24 power transformer can power two FDS-008 modules. The Fan Damper Control module mounts in any Series 1000 Enclosure.

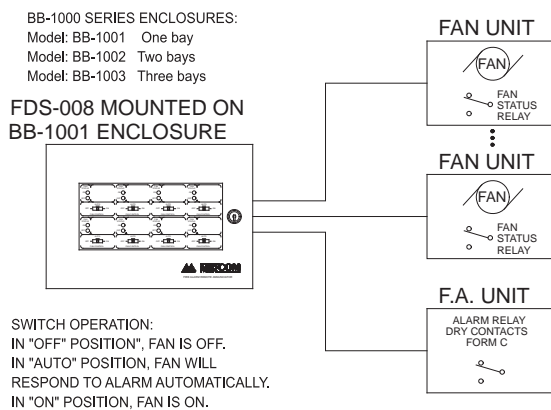
Features

- Universal stand alone unit
- Handles up to 8 fan control circuits
- Circuits come equipped with Form 'C' relay contacts and indicators for fan status
- Each circuit is provided with a three position slide switch to independently set the fan to either "OFF", "AUTO" or "ON"
- Circuits can be configured as "Normally On" or "Normally Off"
- An input terminal is provided per circuit to monitor the status of the fan
- Can be powered with 24VDC, 300 mA external DC power source
- Mounts in any Series 1000 Enclosure

Mounting

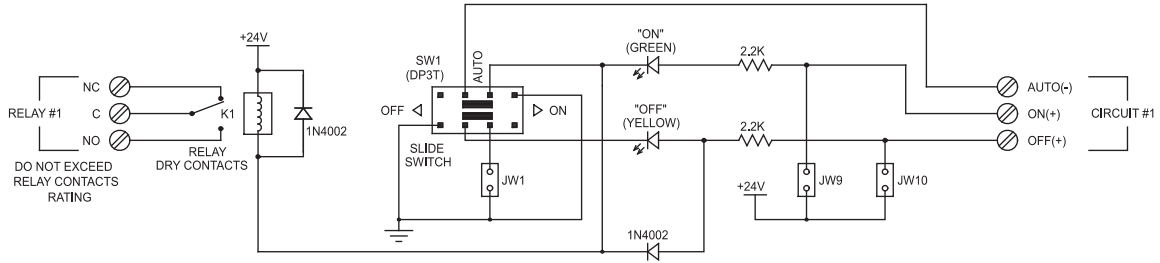


Typical Application



CS791

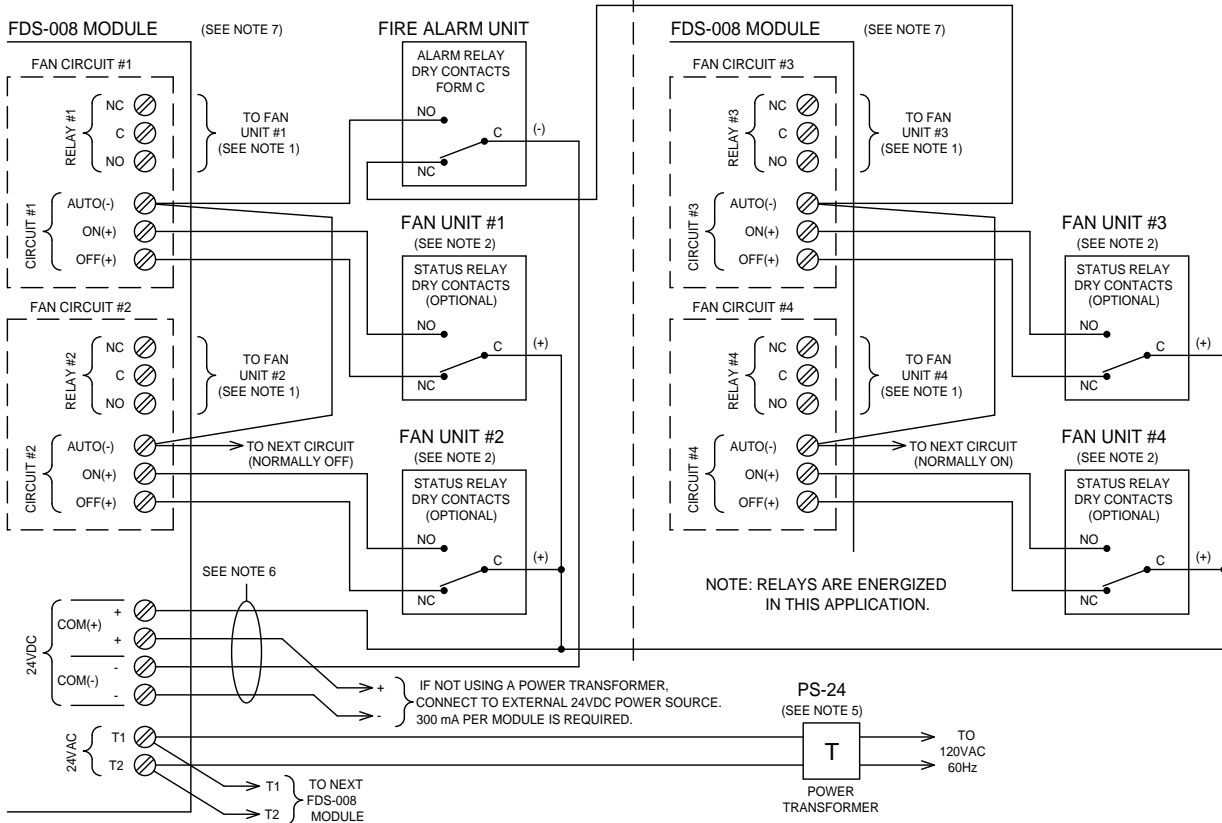
Typical FDS-008 Internal Circuitry



Typical Wiring Diagram

1. WIRING FOR STAIRWAY PRESSURIZATION FAN.
FAN IS NORMALLY "OFF" AND WOULD ACTIVATE ONLY WHENEVER AN "ALARM" OCCUR.

2. WIRING FOR BUILDING AIR CIRCULATION FAN.
FAN IS NORMALLY "ON" AND WOULD SHUT-OFF WHENEVER AN "ALARM" OCCUR.



Ordering Information

Model	Description
FDS-008	Fan Damper Control Module c/w 8 "ON", "AUTO" & "OFF" Slide Switches, 8 Green "ON" LEDs, 8 Red "OFF" LEDs (<i>Mounts in a Series 1000 Enclosure</i>)
Enclosures	
BB-1001	Semi-Flush Backbox (Houses 1 module)
BB-1002	Semi-Flush Backbox (Houses 2 modules)
BB-1003	Semi-Flush Backbox (Houses 3 modules)
Optional	
PS-24	Transformer, 24VAC, 40VA

NOT TO BE USED FOR INSTALLATION PURPOSES.



Canada
25 Interchange Way
Vaughan, Ontario L4K 5W3
Telephone: (905) 660-4655
Fax: (905) 660-4113

U.S.A.
4575 Witmer Industrial Estates
Niagara Falls, NY 14305
Toll Free: (888) 660-4655
Fax Toll Free: (888) 660-4113

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