

# 4208SNF



#### FEATURES

- ◆ Provides up to six Class B supervised zones using external 10k EOL resistors and two Class A supervised zones using built-in 10k EOL resistors
- ◆ Powered from addressable loop or optionally powered from an external DC power supply to reduce current draw from the addressable loop
- ◆ Each zone is identified by a unique serial number, which is assigned via on-board DIP switches
- ◆ Detects faults in all zones with 400msec of occurrence. Two Class B zones can be optionally set for fast (10msec) response via on-board DIP switches
- ◆ Provides cover tamper protection, which may be enabled or disabled via on-board DIP switches

#### Class B to Class A Zone Converter Features

- ◆ Allows up to two Class B control panel zones to be converted into Class A zones
- ◆ Control panel's response time to faults on the module's Class A zones is equal to the response time of the control panel's converted Class B zones plus one msec
- ◆ Must be powered from an external 12vdc power supply such as the 12v auxiliary power output on the control panel

#### SPECIFICATIONS

##### Physical

Width: 6-7/16" (163mm), Height: 4-1/4" (108mm), Depth: 1-1/4" (32mm), Weight:

##### Electrical

###### *Used as a Zone Expander*

- Addressable V-Plex loop Voltage: 11v nominal; 8.7 - 14VDC range – Current 33.6mA when polling loop provides power to module; 0.6mA when 12VDC input provides power to module
- 12VDC Input Voltage: 12V nominal; 9.4 - 14 VDC range – Current: 33mA when this input provides power to module (optional)

###### *Used as a Class A Converter*

- 12VDC Input Voltage: 12VDC nominal, 9.4 - 14VDC range, – Current: 22mA

#### AGENCY LISTINGS

- ◆ UL985 Household Fire
- ◆ UL023 Household Burglary
- ◆ UL609 Commercial Burglary
- ◆ UL864 Commercial Fire
- ◆ (CSFM) (Pending)
- ◆ FM (Pending)
- ◆ MEA (Pending)

**Addressable  
Universal  
Expander Module**

## 4208SNF

### MOUNTING INSTRUCTIONS

When used as a zone expander, the 4208SNF may be placed inside the control panel cabinet or mounted remotely. When used as a Class B to Class A zone converter, the 4208SNF must be placed inside the control panel cabinet.

### EXPANDER SENSOR LOOP RESPONSE:

- ◆ Slow: 400msec (all loops)
- ◆ Fast: 10msec (options for loops A and B)

### EXPANDER SENSOR LOOP CURRENT

- ◆ 0.52mA (normal)
- ◆ 1.3mA\_ (shorted)

Note: Addressable loop input = 11VDC, no external power input required

### SENSOR LOOP MAX. RESISTANCE:

- ◆ Loops A - F (Class 8); Up to 300 ohms of wire resistance + 10k EOLR
- ◆ Loops G, H (Class A); Up to 150 ohms of wire resistance on each side

### CURRENT DRAW CALCULATIONS:

Power Input Source	Expander/Converter	Current Draw from Addressable Loop (all zones shortened)	Current Draw from External Power (all zones shortened)
Addressable Loop Only	Expander	33.6 mA	N/A
Addressable Loop and External Power Input	Expander	0.6 mA	33 mA
External Power Only	Converter	N/A	22 mA

### Ordering Information

Part No.	Description
4208SNF	Universal Class/B Expander Module