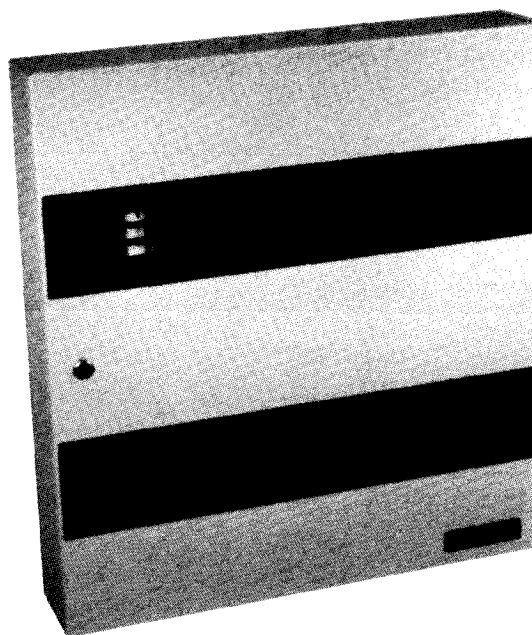


FlexAlarm® Pre-Engineered M300 Series Module

Features

- Experienced Flex 300 technology
- Rapid Shipment
- Simplified Ordering and Handling
- Competitively Priced
- Modular design
- NFPA Standard 72A Style 6 (Class A) or Style 4 (Class B) initiating and indicating circuits
- 4 amp power supply
- U.L., 864 6th Edition Listed (Modular)



Description

The Flex M300 series of pre-engineered systems have been designed to meet specific system design criteria and to simplify customer ordering and handling.

The M300 systems utilize the existing components and the same proven features of the Flexalarm 300 technology. These include alarm resound, trouble ringback, integral dual rate, constant current battery charging and all the basic system supervisory functions whether on primary or secondary power supply. The system is capable of providing at least 4 amps of power at 25 Vdc.

The Flex M300 has been pre-engineered for a minimum of four NFPA Standard 72A Style B (Class B) or three NFPA 72A Style D (Class A) Alarm initiating zones which can be incremented in groups of four (three for Style D (Class A) up to a maximum of 24 NFPA Standard Class B or Class A circuits.

The alarm initiating circuits have a current capacity of 100 mA allowing for up to 25 automatic detectors per circuit. All alarm initiating circuits also have the standard Flexalarm 300 capability for connecting normally open, shorting-type devices (i.e. manual stations, heat detectors, etc.)

All of these systems are also equipped with two alarm signaling circuits for polarized, 24 VDC signaling devices. A total of 2 amps of signal power is available for distribution over these two circuits (average 50 low current bells or horns at .040 amps, average 30 low current strobe horns at .068 amps). Where applications require more than 2 amps of signaling power, a 6 amp optional power supply (Model 6AS) can be added in the bottom row. Signaling circuits are available in both Style Y (Class B) or Style Z (Class A).

Other options which can be ordered to meet field requirements include the Marchtime Card (120 beats per minute), K4S Module for supervised annunciation and the K8P for auxiliary devices.

The Flexalarm models M300R and M300RA are used for the actuation of solenoid operated halon releasing valves in fire suppression systems. Up to 20 solenoids can be actuated in parallel by an "R" (releasing) module for a maximum current of 6A at 25 Vdc.

All systems can be configured to actuate a master box (local energy or shunt-type), or remote station reversal circuit to alert the city fire department.

The Flex M300 systems come complete with 2 row standard cabinet and all necessary displays, mounting hardware, chassis, daisy chains and an installation and maintenance manual. The zone marker labels for window display are also provided.

Models M321A6 and M324A6 come assembled in a 3 row standard cabinet for those applications which require extra power and field expandability at a future date.

Engineer's Specifications

The alarm initiating, signaling, and control system shall be a Gamewell Flexalarm 300, Model Number M_____. The system shall consist of one main control panel with built-in 4 amp, 24 Vdc power supply and battery charger, mother board(s) to accommodate individual plug-in cards. Plug-in cards shall be supervised via inter-equipment daisy chains. All cards shall be of modular construction for ease of expansion and servicing.

The system shall contain, but not be limited to, the following features:

- LED's for power, alarm, and trouble indicators
- Short, open, and ground fault detection
- Automatic and manual hi-rate charging
- Style B and D Initiating
Style Y and Z Indicating
- City Fire Department notification
- Alarm overrides trouble

The control unit shall be a Gamewell Model EE 300 and the plug-in modules shall be Gamewell Models Z3A or Z4B, and D2p.

Ordering Information

Supplied	Model	Part No.	Description
☐	Flex 304	M304	4 Zone Class B System
☐	Flex 308	M308	8 Zone Class B System
☐	Flex 312	M312	12 Zone Class B System
☐	Flex 316	M316	16 Zone Class B System
☐	Flex 320	M320	20 Zone Class B System
☐	Flex 324	M324	24 Zone Class B System
☐	Flex 303A	M303A	3 Zone Class A System
☐	Flex 306A	M306A	6 Zone Class A System
☐	Flex 309A	M309A	9 Zone Class A System
☐	Flex 312A	M312A	12 Zone Class A System
☐	Flex 315A	M315A	15 Zone Class A System
☐	Flex 318A	M318A	18 Zone Class A System
☐	Flex 321A	M321A	21 Zone Class A System
☐	Flex 321A6	M321A6	21 Zone Class A System with 6AS
☐	Flex 324A	M324A	24 Zone Class A System
☐	Flex 324A6	M324A6	24 Zone Class A System with 6AS
☐	Flex 300R	M300R	4 Zone Class B with R Module
☐	Flex 300RA	M300RA	3 Zone Class A with R Module

M300 EE Accessories

☐	LEMB	30325	Local Energy Master Box Module
☐	LR	30326-1	Remote Station Line Reversal Module
☐	PF	30329	48-hour Power Failure Module
☐	MT	30527	Marchtime Card (120 beats/min)
☐	Meter Set	30605	System Voltmeter 0-50 Vdc Battery Ammeter 6-0-6 amps System Ammeter 0-10 amps
☐	Jumper Plugs	30202	100 Programming jumpers

For description of individual modules refer to Data Sheets 200, 210, 250, 220.

