Flex Series GWF402 and GWF404

2 and 4 Zone Conventional Fire Alarm Control Panels

Description

The Flex 402 is a two zone fire alarm control panel (FACP) and the Flex 404 is a four zone FACP. These control panels provide reliable fire signaling protection for small to medium sized retail, office, multi-family, or other similar commercial or institutional building.

Initiating device circuits (IDCs) for Flex Series panels are power limited and operate in Style B (Class B). Each panel is compatible with conventional input devices such as two-wire smoke detectors, four-wire smoke detectors, pull stations, water flow devices, tamper switches and other normally-open contact devices. This includes System Sensor $i^{3™}$ Series microprocessor-based detectors with advanced features like drift compensation, maintenance alert and freeze warning. (See Device Compatibility Document PN 52195 for a listing of compatible devices.)

Outputs include one notification appliance circuit (NAC) on the Flex 402 and two NACs on the Flex 404. NACs are power limited and operate in Style Y (Class B). Each FACP has a Form-C Alarm and Trouble relay and 24 VDC special applications resettable power. In addition, the Flex 404 has a Form-C Supervisory relay and a special application non-resettable power output. The FACP supervises wiring, AC voltage and battery level.

Activation of a compatible smoke detector or any normally-open fire alarm initiating device will activate audible and visual signaling devices, illuminate an indicating LED, sound the piezo sounder at the FACP, activate the FACP alarm relay and operate and optional modules used to notify a remote station or initiate an auxiliary control function.

Both the Flex 402 and Flex 404 fire alarm control panels are listed to UL$^®$ Standard 864, 9th Edition.

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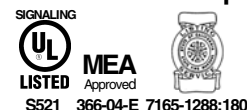

GWF402 (left) and GWF404 (right)

Features

- Flex 402: Two Style B (Class B) IDC zones, one Style Y (Class B) NAC
- Flex 404: Four Style B (Class B) IDC zones, two Style Y (Class B) NACs
- Optional NAC Class A converter module (Flex 404)
- NAC synchronization and programmability features:
  - ADA compliant strobe synchronization
  - ANSI audible signals as required by NFPA 72
  - Silence inhibit, auto-silence, non-silenceable
  - Selective Silence: mute horns, keep strobes lit
  - Temporal or steady signal
- Silent or audible walk test from front keypad
- Zone disable, alarm verification selectable per zone
- Controls: Acknowledge, Alarm, Silence, Reset, Walktest, Zone enable/disable
- LED indicators: Alarm, Supervisory, Maintenance, Trouble (one per zone): AC, NAC / Zone disable, NAC fault, System / Power Trouble, Walktest, Alarm Silence, Charger / Battery / Earth Fault (on pcb)
- Alarm verification
- Low AC voltage sense, automatic battery charger
- Piezo sounder for alarm, trouble, and supervisory

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S521 366-04-E 7165-1288:180

Options

CAC-4	Used to convert Style B (Class B) IDCs to Style D (Class A) and Style Y (Class B) NACs to Style Z (Class A). Mounts in FACP. Flex 404 only.
XRM-24	Second 100VA transformer for maximum accessory power. Mounts in FACP. Flex 404 only.
4XTMF	Transmitter module provides output for local energy municipal box transmitter and alarm and trouble reverse polarity. Mounts in FACP. Flex 402 & Flex 404.
4XZMF	Zone relay module provides Form-C relays: Alarm Zones 1, 2, 3, 4, System Alarm, Trouble. Mounts in FACP. Flex 404 only.
4XLMF	LED interface module supports the GWSAN-404 remote annunciator, supervises annunciator wiring for open conditions. Mounts in FACP. Flex 404 only.
411UD	Four input/channel, dual line, digital alarm communicator/transmitter(DACT). Input/channels are compatible with normally open relay contacts, are supervised and fully programmable. Interfaces with public switched telephone networks and compatible with most central station receivers. Flex 404 only.
GWSAN-404	Remote annunciator mounts in single-gang electrical box, provides LED indication of Alarm Zones 1, 2, 3, 4; and System Trouble. Flex 404 only.

Specifications

AC Power	120 VAC, 50/60Hz, 2.3 A
Battery	Max. charging circuit: 27.6 VDC @ 0.8A Max. charger capacity: 18 Ah (two 7Ah batteries fit inside FACP)
Initiating Device Circuits (IDC)	Alarm zones 1 & 2 (Flex 402 / Flex 404) Alarm zones 3 & 4 (Flex 404 only) Operation: All zones Style B (Class B) Power limited circuitry Operating voltage: nominal 20 VDC Alarm current: 15 mA minimum Short circuit current: 40 mA maximum Standby current: 4 mA Maximum loop resistance: 100 ohms
Notification	One NAC: Flex 402; two NACs:Flex 404

Specifications (Continued)

Circuits (NAC)	Operation: Style Y (Class B) Power limited circuitry Operating voltage: nominal 24 VDC Maximum signaling current: 2.5 A total (5.0 A Flex 404 with optional transformer) Maximum line impedance: 1.5 volt drop
Form-C Relays	Trouble, Alarm (Supervisory, Flex 404) Contact ratings 2 A @ 30 VAC (resistive)
Resettable power	Operating voltage: nominal 24 VDC Power limited circuitry Maximum available current: 500 mA
Nonresettable power	Operating voltage: nominal 24 VDC Power limited circuitry Maximum Available current: 500 mA
Cabinet	Door: 15.3" x 14.7" x 0.3" (39 x 37 x 1 cm) Backbox: 15.0" x 14.5" x 3.0" (38 x 37 x 8 cm)

Ordering Information

GWF402	Flex 402 conventional FACP, 2 zones, 120 VAC, red
GWF404	Flex 404 conventional FACP, 4 zones, 120 VAC, red
71252	EOL resistor, 4.7K ohm, ½ watt
52194	Flex 402 and Flex 404 Installation & Operation Manual

Options:

CAC-4	Class A converter for initiating device circuits and notification appliance circuits (cannot be used on Flex 402)
XRM-24	Transformer, expands NAC circuit power from 3 to 5 amps
4XTMF	Transmitter module for remote station output or municipal box connection
4XZMF	Relay module, four relays-by-zone, alarm and trouble contacts, 24VDC
4XLMF	Remote annunciator driver, 24 VDC, supports GWSAN-404
411UD	Four channel dual slave programmer DACT, Form C relay and upload/download capability; with enclosure, requires PRO-411
PRO-411	Programmer, use with 411UD, 411UDAC
GWSAN-404	LED remote annunciator for Flex 404, 4 alarms, 1 trouble (requires 4XLMF)
BB-17F	Battery box, houses 2 batteries (7-18 Ah max)

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