



by Honeywell

# Flex Series GWF402 and GWF404

## 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<sup>3</sup>*™ 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 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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## 2 and 4 Zone Conventional Fire Alarm Control Panels

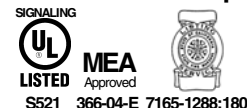


GWF402 (left) and GWF404 (right)

## 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

An ISO 9000-2000 Company



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## Options

<b>CAC-4</b>	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.
<b>XRM-24</b>	Second 100VA transformer for maximum accessory power. Mounts in FACP. Flex 404 only.
<b>4XTMF</b>	Transmitter module provides output for local energy municipal box transmitter and alarm and trouble reverse polarity. Mounts in FACP. Flex 402 & Flex 404.
<b>4XZMF</b>	Zone relay module provides Form-C relays: Alarm Zones 1, 2, 3, 4, System Alarm, Trouble. Mounts in FACP. Flex 404 only.
<b>4XLMF</b>	LED interface module supports the GWSAN-404 remote annunciator, supervises annunciator wiring for open conditions. Mounts in FACP. Flex 404 only.
<b>411UD</b>	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.
<b>GWSAN-404</b>	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

<b>AC Power</b>	120 VAC, 50/60Hz, 2.3 A
<b>Battery</b>	Max. charging circuit: 27.6 VDC @ 0.8A Max. charger capacity: 18 Ah (two 7Ah batteries fit inside FACP)
<b>Initiating Device Circuits (IDC)</b>	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
<b>Notification</b>	One NAC: Flex 402; two NACs: Flex 404

## Specifications (Continued)

<b>Circuits (NAC)</b>	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
<b>Form-C Relays</b>	Trouble, Alarm (Supervisory, Flex 404) Contact ratings 2 A @ 30 VAC (resistive)
<b>Resettable power</b>	Operating voltage: nominal 24 VDC Power limited circuitry Maximum available current: 500 mA
<b>Nonresettable power</b>	Operating voltage: nominal 24 VDC Power limited circuitry Maximum Available current: 500 mA
<b>Cabinet</b>	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

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

### Options:

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

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