# ⊗ **NOTIFIER**®

# XP5 Series Transponders
## For Addressable Panels

Section: Intelligent Fire Alarm Control Panels

## GENERAL

The **XP5 Series Transponders** provide addressable NOTIFIER Fire Alarm Control Panels with monitor and control functions. They are capable of monitoring or controlling a maximum of five individual circuits each. XP5 modules communicate with the FACP and can function as Initiating Device Circuits (IDCs), Notification Appliance Circuits (NACs), telephone circuits, or Form-C relays.

**XP5-M Transponder Module** — monitors five Class B IDCs, each with a maximum loop resistance of 1,200 ohms. These circuits accept normally open contact initiating devices (manual pull stations, heat detectors, four-wire smoke detectors, etc.). One XP5-M occupies five consecutive addresses on the signaling line circuit (SLC). All five circuits are addressed collectively with two switches, and each circuit has one red LED status indicator.

**XP5-C Transponder Module** — Each of the five circuits of the XP5-C can act as a circuit for notification appliance, speaker, or telephone (ring signal not provided), or as a Form-C relay. As a circuit for notification appliance, speaker, or telephone, it provides power and monitors a Class B circuit. A push-button switch changes the circuit to a Form-C relay. One XP5-C occupies five consecutive addresses on the SLC. All five circuits are addressed collectively with two switches, and each circuit has one green LED status indicator. This module comes with a LEXAN® cover that must be mounted onto the front of the module to protect the switch settings and prevent contact with potentially high voltages.

**LEXAN®** is a registered trademark of GE Plastics, a subsidiary of General Electric Company.

## FEATURES

- Five Class B initiating device circuits provided by XP5-M.
- Supports FlashScan® operation.
- Five individually configurable outputs which function as Class B notification appliance/speaker/telephone circuits, or as Form-C relays — provided by XP5-C.
- Status indicators for each point.
- CHS-6 chassis mounts multiple XP5 modules in a CAB-3/CAB-4 Series or BB-25 cabinet.
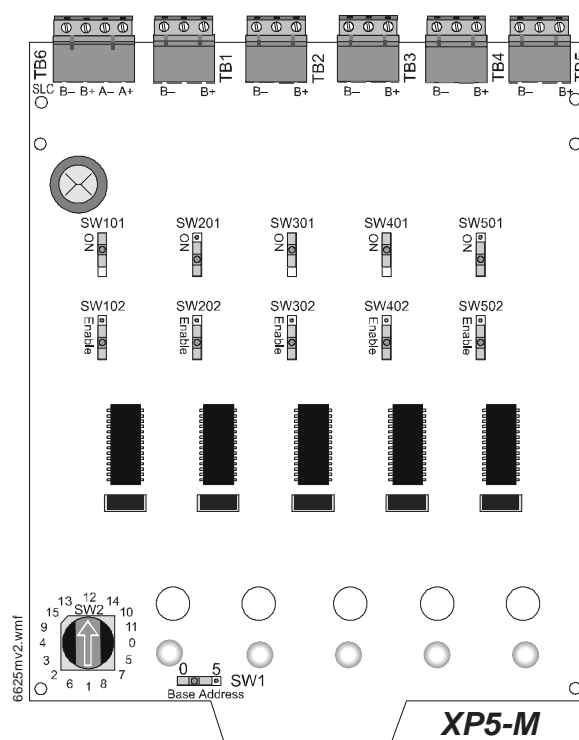- BB-XP cabinet mounts one or two XP5 modules, and comes with an installed chassis.

## SPECIFICATIONS

- **Used with:** XP5 modules operate with the NOTIFIER AM2020, AFP1010, AFP-400, AFP-300, AFP-200, and the System 5000 (used with the AIM-200). FlashScan® operation is supported with the NOTIFIER AFC-600 and NFS-640.
- **Mounting:** Up to six XP5 modules can be mounted on a CHS-6 chassis, which mounts in a CAB-3 or CAB-4

UL LISTED S635

ULC CS118

California State Fire Marshal 7300-0028:194

MEA 127-98-E

FM Approved



*XP5-M*

Series backbox. One or two modules can be mounted in a BB-XP cabinet.

- **Wiring:** Each XP5 module comes with pluggable screw terminal blocks that accept wire sizes 18 AWG (0.75 mm²) to 12 AWG (3.25 mm²).
- **Contact Ratings:**
  - 3.0 A @ 30 VDC, resistive, non-coded.
  - 2.0 A @ 30 VDC, resistive, coded.
  - 0.9 A @ 110 VDC, resistive, non-coded.
  - 0.9 A @ 125 VAC, resistive, non-coded.
  - 1.0 A @ 30 VDC, inductive (L/R = 2 ms), coded.
  - 0.5 A @ 30 VDC, inductive (L/R = 5 ms), coded.
  - 0.5 A @ 125 VDC, inductive (PF = 0.35), non-coded.
  - 70.7 VAC, 60 W maximum.
  - 25 VAC, 50 W maximum.
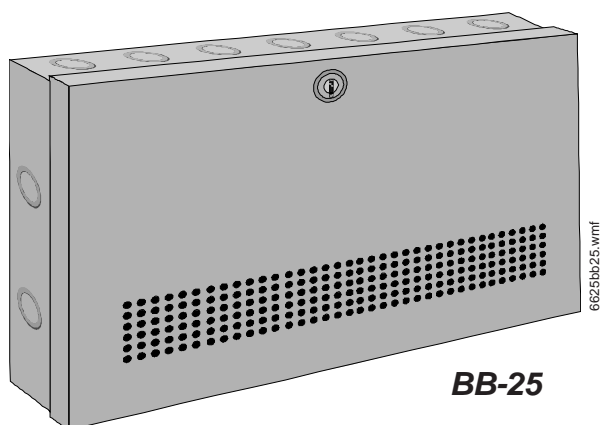
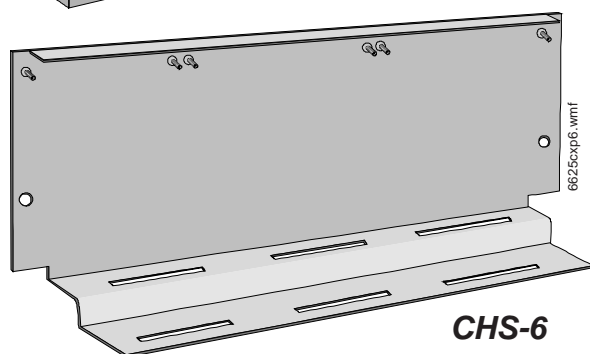**ISO 9001 CERTIFIED**
**ENGINEERING & MANUFACTURING**
Made in the U.S.A.

• **Contact Ratings:**

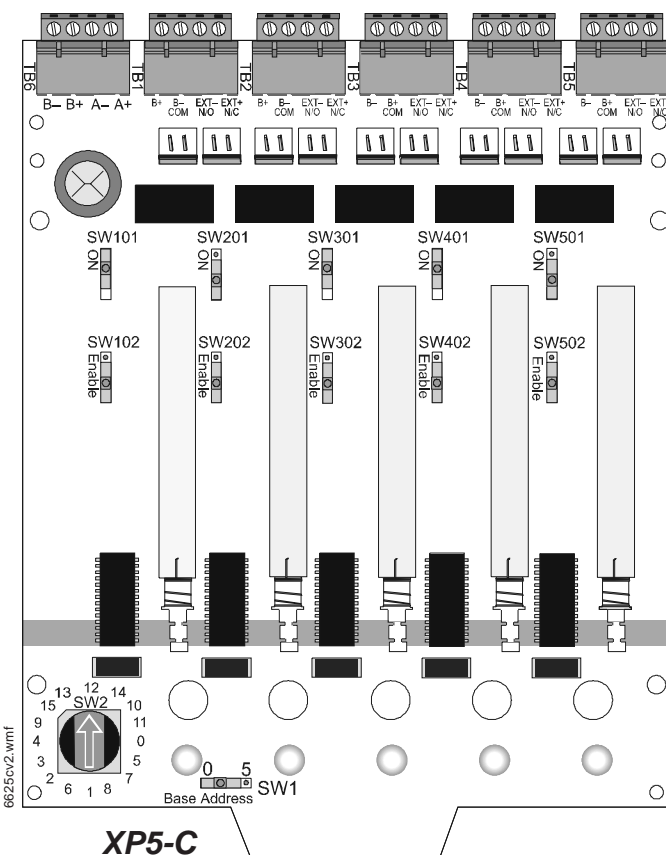| MODULE | PRIMARY, NON-FIRE ALARM CURRENT | PRIMARY, FIRE ALARM CURRENT* | SECONDARY, NON-FIRE ALARM CURRENT |
|---|---|---|---|
| XP5-M | 1651 µA | 3000 µA | 1651 µA |
| XP5-C Relay | 840 µA | 840 µA | 840 µA |
| XP5-C NAC | 1481 µA | 1481 µA | 1481 µA |

*Fire alarm current draw is for five address points per XP5 module.*
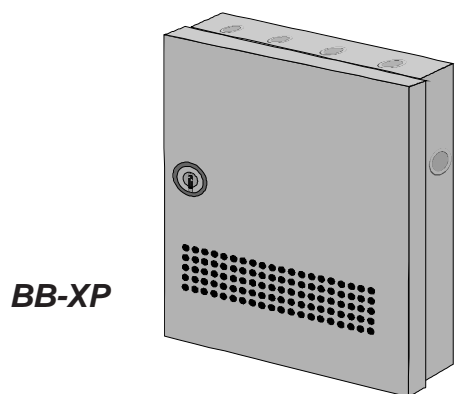


*BB-25*



*CHS-6*



*XP5-C*

## PRODUCT LINE INFORMATION

**XP5-M**     Transponder module, monitors up to five Class B IDCs, which monitor normally open contact initiating devices.

**XP5-C**     Transponder module, provides up to five individually configurable outputs which function as Class B notification appliance/speaker/telephone circuits, or as Form-C relays.

**BB-XP**     Cabinet, holds one or two XP5 modules. ***Dimensions, DOOR:*** 9.234" (23.454 cm) wide (9.484" [24.089 cm] including hinges), x 12.218" (31.0337 cm) high, x 0.672" (1.7068 cm) deep; ***BACKBOX:*** 9.0" (22.860 cm) wide (9.25" [23.495 cm] including hinges), x 12.0" (30.480 cm) high x 2.75" (6.985 cm); ***CHASSIS (installed):*** 7.150" (18.161 cm) wide overall x 7.312" (18.5725 cm) high interior overall x 2.156" (5.4762 cm) deep overall.

**BB-25**     Cabinet, holds up to six XP5 modules mounted to a CHS-6 chassis *(below)*. ***Dimensions, DOOR:*** 24.0" (60.96 cm) wide x 12.632" (32.0852 cm) high, x 1.25" (3.175 cm) deep, hinged at bottom; ***BACKBOX:*** 24.0" (60.96 cm) wide x 12.550" (31.877 cm) high x 5.218" (13.2537 cm) deep.



*BB-XP*

**CHS-6**     Chassis, used with BB-25 *(above)* for up to six XP5 modules. ***Dimensions:*** 19.0" (48.26 cm) wide overall, x 7.312" (18.5725 cm) high interior overall, x 2.156" (5.4762 cm) deep overall.

### CAB-3 and CAB-4 Series Series Cabinets

*See data sheets DN-3549 (CAB-3 Series) and DN-6857 (CAB-4 Series).*