



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.

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FEATURES

- Five Class B initiating device circuits provided by XP5-M.
- 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 series or BB-25 cabinet.
- BB-XP cabinet mounts one or two XP5 modules, and comes with an installed chassis.

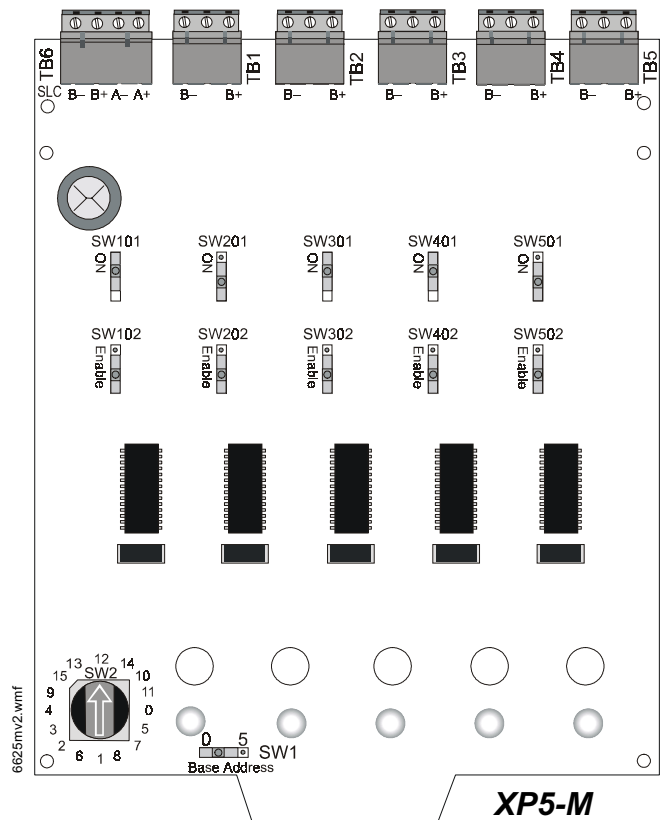
SPECIFICATIONS

- **Used with:** XP5 modules operate with the NOTIFIER AM2020, AFP1010, AFC-600, AFP-400, AFP-300, AFP-200, and the System 5000 (used with the AIM-200).
- **Mounting:** Up to six XP5 modules can be mounted on a CHS-6 chassis, which mounts in a BB-25, CAB-A3, CAB-B3, CAB-C3, or CAB-D3 cabinet. One or two modules can be mounted in a BB-XP cabinet. *For further information on CAB-3 cabinets, see data sheet DN-3549.*



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- **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).
- **Electrical Specifications:** **NAC ratings:** • 3.0 Amps @ 24 VDC, non-coded; • 2.0 Amps @ 24 VDC, coded; • 0.6 Amps at 25 VAC, resistive (15 W); • 0.6 Amp @ 70.7 VAC, resistive (42 W). **Relay contact ratings:** • 3.0 Amps @ 30 VDC, resistive, non-coded; • 2.0 Amps @ 30 VDC, resistive, coded; • 0.9 Amp @ 110 VDC, resistive, non-coded; • 0.9 Amp @ 125 VDC, resistive, non-coded; • 1.0 Amp @ 30 VDC, inductive (L/R = 2 ms), coded; • 0.5 Amp @ 30 VDC, inductive (L/R = 5 ms), coded; • 0.5 Amp @ 125 VAC, inductive (PF = 0.35), non-coded. **See also table on page 2.**

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact NOTIFIER. Phone: (203) 484-7161 FAX: (203) 484-7118

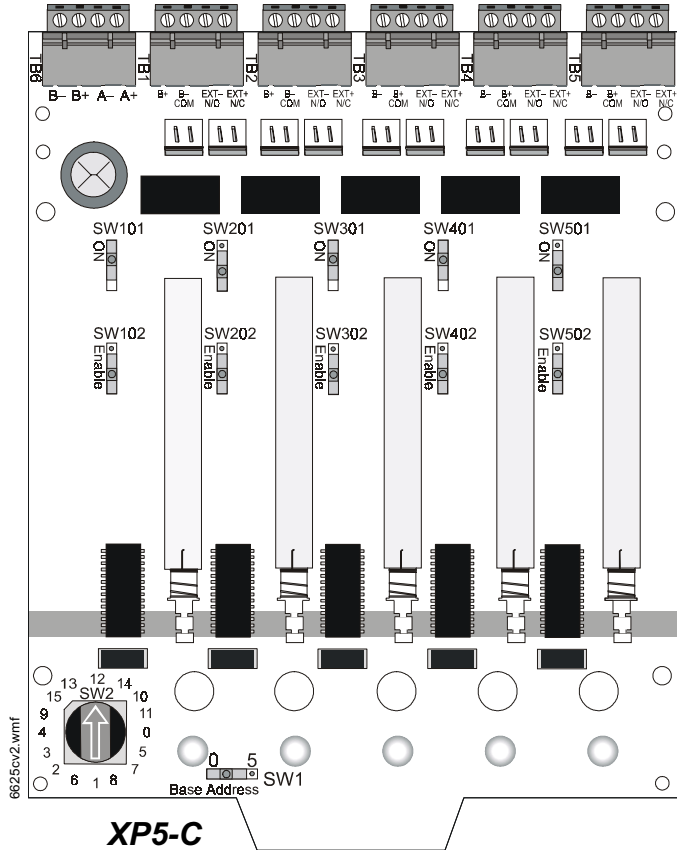
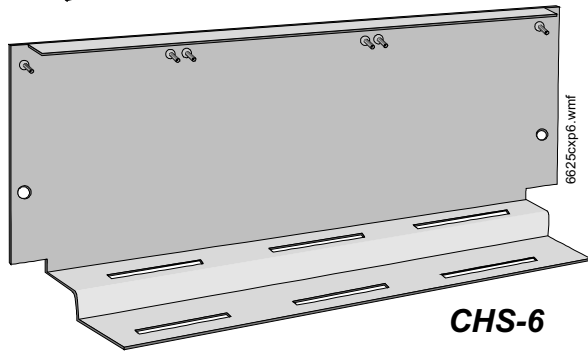
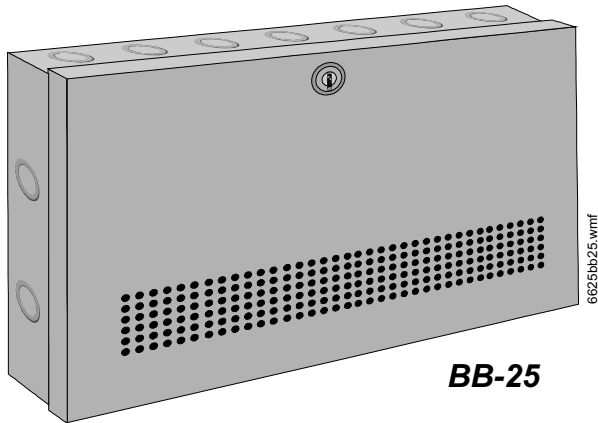
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ELECTRICAL CURRENT

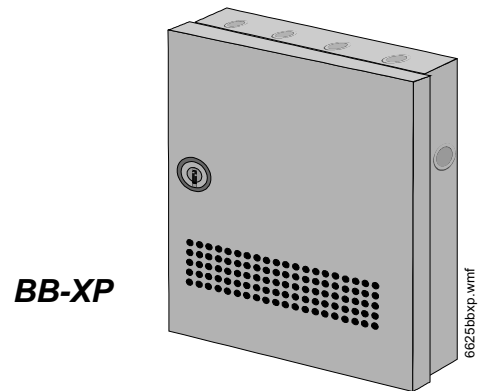
MODULE	PRIMARY NON-FIRE ALARM CURRENT	PRIMARY FIRE ALARM CURRENT*	SECONDARY NON-FIRE ALARM CURRENT
XP5-M	1651 μ A	3000 μ A	1651 μ A
XP5-C Relay	840 μ A	840 μ A	840 μ A
XP5-C NAC	1481 μ A	1481 μ A	1481 μ A

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



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.



- 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-A3** One-tier cabinet (see data sheet DN-3549).
- CAB-B3** Two-tiered cabinet (see data sheet DN-3549).
- CAB-C3** Three-tiered cabinet (see data sheet DN-3549).
- CAB-D3** Four-tiered cabinet (see data sheet DN-3549).