



PMOD 4 XBC 001

# BEACON CONTROL MODULE

## MODULE TO CONNECT DIFFERENT TYPES OF FLASHING WARNING BEACONS

The INTRON-X is the modern, modular IP system platform for scalable intercom, PA/GA and PA solutions from INDUSTRONIC.

The XBC module is used to switch and monitor up to 4 flashing warning beacon circuits wired as line and/or loop.



- Control of up to 4 AC or DC flashing warning beacon circuits
- Flashing warning beacons can be wired as line or loop
  - Xenon, LED, etc.
  - 115 / 230 V AC
  - 24 / 48 / 60 V DC
- Continuous automatic line monitoring of the flashing warning beacons for cable break, short circuit and ground leakage (option)
- 2 Ethernet interfaces for redundant network connection
- Power supply of the internal electronics via PoE (with redundancy) or separate DC supply
- Integrated self-monitoring
- Configuration via INDUSTRONIC management tools

### PLUG-IN DEVICE 4 XBC 001

Type number	344-030-100
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### MECHANICAL DATA

Mounting	1/3 19" width in a 1 RU INTRON-X 19" chassis of type 3 XRC 001
Width x height x depth	147 mm x 44 mm x 265 mm (5.79" x 1.73" x 10.43")
Weight	Approx. 1.1 kg (approx. 2.43 lbs)

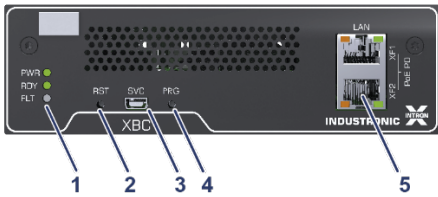
### POWER CONSUMPTION (XD1 OR POE)

Typical	3 W
Maximum	7 W

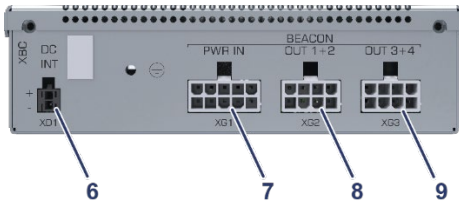
### DC POWER SUPPLY (XD1)

Power supply	42 V DC to 72 V DC
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## FRONT/REAR



- |   |                              |
|---|------------------------------|
| 1 | LEDs for operating status    |
| 2 | Reset button                 |
| 3 | Service interface (Mini USB) |
| 4 | Service button               |
| 5 | Ethernet interfaces          |



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|---|--|
| 6 | DC power supply                                  |
| 7 | Power supply of flashing warning beacon circuits |
| 8 | Flashing warning beacon circuits 1 and 2         |
| 9 | Flashing warning beacon circuits 3 and 4         |

## FLASHING WARNING BEACON CIRCUITS (XG1, XG2, XG3)

Quantity	4
AC supply per circuit	115/230 V AC +/-20 % Max. 5 A AC
DC supply per circuit	Max. 72 V DC Max. 5 A at 24 V DC, Max. 5 A at 48 V DC, Max. 3 A from 60 V DC to 72 V DC
Line monitoring (optional)	Cable break, short circuit and ground leakage
External pre-fuse	Max. 6 A per circuit for up to two flashing warning beacon circuits in use Max. 4 A per circuit for three or more flashing warning beacon circuits in use

## NETWORK INTERFACES (XF1 AND XF2)

Quantity	2 x RJ45
Type	10Base-T/100Base-TX Ethernet, IEEE 802.3
PoE	IEEE 802.3af, Class 3, 12.95 W
Requirements	IPv4 network Support of UDP and SCTP protocols 200 kBit/s bandwidth

## SERVICE INTERFACE (SVC)

Quantity	1 x Mini-USB
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## ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	-15 °C to +55 °C (+5 °F to +131 °F)
Storage temperature	-25 °C to +70 °C (-13 °F to +158 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of protection	IP20
Vibration resistance	2 Hz to 13.2 Hz, +/-1.5 mm, 13.2 Hz to 200 Hz, 1 g
Operating altitude	Max. 2,000 m (6,562 ft) above sea level
Pollution degree	2 (according to EN 62368-1)
Electrical safety	EN 62368-1
EMC	EN 61000-6-2, EN 61000-6-4, EN 55032 Class B, EN 55035, EN 50130-4

## ACCESSORIES



### 10 XCBL 431 4.0 m LSZH-FR

Power supply cable for 4 flashing warning beacons, 10 poles, 4 m (13.12 ft), 0.5 mm<sup>2</sup>, 1 x connector covered with heat-shrink tube, 1 x flying leads, halogen-free, flame-retardant

**Type number** 244-906-401

Further cable lengths available upon request.



### 10 XCBL 431 4.0 m

Power supply cable for 4 flashing warning beacons, 10 poles, 4 m (13.12 ft), 0.5 mm<sup>2</sup>, 1 x connector covered with heat-shrink tube, 1 x flying leads

**Type number** 244-956-401

Further cable lengths available upon request.



### 8 XCBL 431 4.0 m LSZH-FR

Cable for 2 flashing warning beacons, 8 poles, 4 m (13.12 ft), 0.5 mm<sup>2</sup>, 1 x connector covered with heat-shrink tube, 1 x flying leads, halogen-free, flame-retardant

**Type number** 244-903-401

Further cable lengths available upon request.



### 8 XCBL 431 4.0 m

Cable for 2 flashing warning beacons, 8 poles, 4 m (13.12 ft), 0.5 mm<sup>2</sup>, 1 x connector covered with heat-shrink tube, 1 x flying leads

**Type number** 244-953-401

Further cable lengths available upon request.



### 2 XCBL 421 1.5 m

Power supply cable for the plug-in device 4 XBC 001, 2 poles, 1.5 m (4.92 ft), 0.5 mm<sup>2</sup>, connectors on both sides, halogen-free, flame-retardant

**Type number** 244-902-151

Further cable lengths available upon request.

# PREFERRED MODULES

## PMOD 4 XBC 001/1

Plug-in device incl. cables for switching and monitoring of up to 4 flashing warning beacon circuits.

*Note: A terminal block for connecting the field cables is not included in this module.*



## OVERVIEW PREFERRED MODULES

	PMOD 4 XBC 001/1
Plug-in device 4 XBC 001	x
Cable 10 XCBL 431	x
Cable 8 XCBL 431	2x
Cable 2 XCBL 421	x
Type number	326-030-001

## ACTIVATIONS

**Please note:** To commission the module, INDUSTRONIC activations are required!

	ACT-X Interface Device	ACT-XBC Line Monitoring
Description	Activation of one INTRON-X interface plug-in device	Activation of line monitoring for line break, short circuit and ground leakage
Type number	101-100-030	101-200-401

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