



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 |
|-------------|-------------|

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) |

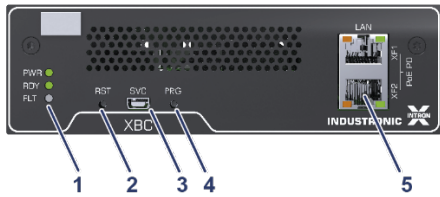
POWER CONSUMPTION (XD1 OR POE)

| | |
|---------|-----|
| Typical | 3 W |
| Maximum | 7 W |

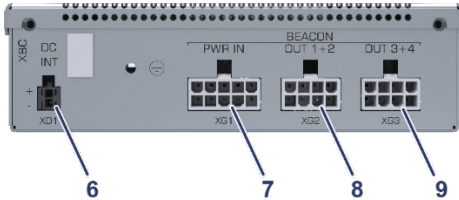
DC POWER SUPPLY (XD1)

| | |
|--------------|--------------------|
| Power supply | 42 V DC to 72 V DC |
|--------------|--------------------|

FRONT/REAR



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



- | | |
|---|--------------------------------------------------|
| 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 |
|----------|--------------|

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

Power supply cable for 4 flashing warning beacons, 10 poles, 4 m (13.12 ft), 0.5 mm², 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.



8 XCBL 431 4.0 m

Cable for 2 flashing warning beacons, 8 poles, 4 m (13.12 ft), 0.5 mm², 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.



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 mm², connectors overmolded 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

| PMD 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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