



Pro Intercom LLC[®]

Intercom for Sound, Lighting and Production Professionals

Operating Instructions

Blazon 3

Xenon Signal Light and Annunciator

Connection:

The **Blazon 3** is connected into a **Pro Intercom** (or compatible) headset intercom system in the same manner as a 'beltpack'. It has two 3-pin XLR connectors on the rear panel. By convention, and to differentiate from microphone inputs, the female connector is designated as 'input'. The male connector is provided for looping onwards to the next station in the system. Reversing the connections will not affect the operation of the **Blazon 3**. XLR pin configuration: X (Pin 1) - shield; L (Pin 2) - 24~ 30 VDC; R (Pin 3) - audio, and signal light trigger voltage.

Power:

Blazon 3 is powered by the intercom power supply, and requires no batteries or external power source. In its 'Ready' mode the unit draws 21.1 mA. With the strobe only it requires 130 mA, and with the annunciator, 140 mA. The unique, low current drain xenon lamp makes this possible. When calculating power supply requirements, you may consider **Blazon 3** the approximate equivalent of 4.5 'belt packs'. Provided adequate current is available, multiple **Blazon3s** may be used in a system.

Operation:

Blazon 3 is triggered by the same voltage which lights the signal lamps in the intercom system. Whenever any signal lamp button on any station in the same circuit is pressed, the **Blazon 3** will be activated. The xenon (strobe) lamp is permanently connected. The audible annunciator may be switched between *constant*, *pulse* and *off*. Circuitry is provided to sustain the **Blazon 3** for 4 seconds after being triggered. The xenon lamp has a flash rate of 2 Hz, resulting in approx. 8 flashes per cycle.

Technical Specifications:(Subject to change without notice)

Supply voltage: 24~30 VDC nominal

Switch-on voltage: 4 Volts minimum

Switch-off voltage: 5 Volts minimum

Switch-on time: 75 milliseconds

Switch-off time: 4 seconds

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