

# DRACO SERIES CONTROL PANEL

Addressable fire detection and  
alarm control panel



## Key Features

- 1 to 8 loops expandable panel with 200 addresses per loop.
- Large 7" color LCD with user customizable home-screen.
- Fully programmable from the front panel or via any device.
- Programma and upgradeable from USB.
- Intuitive web configuration tool for loading and unloading settings.
- LED indicators for zones and alerts.
- Up to 4 amps available for external devices.
- Metallic cabinet with front door equipped with access key.
- Optional cabinets for large batteries and events log printer.

The Draco JBE-P2L1 is an addressable Fire Alarm Control Panel designed for small to medium-sized spaces, in new constructions or those undergoing modernization.

Its development follows the EN regulations, positioning itself as the first solution under Jade Bird Fire standards and certified according to the requirements of EN 54-2 and EN 54-4.

This control panel stands out for its capacity to support up to 8 loops and 1600 addressable devices. It offers 2 general relay outputs for failure and alarm, as well as 2 24V DC outputs for powering external devices. In addition, it is equipped with optional cabinets for battery and/or printer extensions, facilitating the recording of incidents.

The user interface of the JBE-P2L1 central is characterized by a 7-inch color LCD screen with a resolution of 800 x 480. With 6 auxiliary function keys, 4 control keys, and a 12-key alphanumeric keypad, with 11 LED indicators for alerts and 30 LED indicators for zones, it provides a highly intuitive alarm management. It allows users to fully configure the system without the need for external tools.

The control panel also has a USB connection that allows installers to download configuration data to another external USB device. This makes it easy to exchange and update data using the cloud-based configuration tool, known as the Jade Bird Cloud.

This cloud-based web service platform allows execution from any PC, laptop or smart device, providing exceptional flexibility to users.

## TECHNICAL DATA JBE-P2L1

<b>System capacity</b>	
Number of detection loops	1, 2, 4, 6 or 8
User-selectable detection loop topologies	Class A (Ring) or Class B (Star)
24 V outputs to field devices	2
Maximum number of detection zones	400
Maximum number of output groups	400
<b>Connection to field devices</b>	
Maximum loop distance	2.000 m
Recommended cable type	2 x 1.5 mm <sup>2</sup> unshielded twisted pair
Maximum number of addressable points (Free mix of detectors, MCP, IO, sounders)	200 per class A loop (max 2x200)
Detection loop voltage	JBE pulsed protocol (20 to 30 Vpp)
Detection loop available current	500 mA
DC outputs to field devices	2x2A @ 24 Vcc
<b>Alarm &amp; Fault relay outputs</b>	
Connection type	Normally-Open voltage-free relay
Electrical contact ratings	2A @ 30 Vcc
<b>Power Supply</b>	
Mains voltage	AC 230 V (196 – 253 V)
Mains fuse	2.5 A slow acting
Power rating (mains)	2.5 A max
Max. sustained DC output current (I <sub>max a</sub> )	4 A
Max. alarm DC output current (I <sub>max b</sub> )	5.5 A
<b>Batteries</b>	
Approved battery types	Primary cabinet (6.3 mm Faston tab terminal) 2 x Yuasa NP7-12LFR 2 x Yuasa NP12-12FR With optional battery box kit (Ø5 mm ring terminal) 2 x Yuasa NP17-12IFR
Float charge compensation	-36 mV/°C
Internal battery resistance	Max 1 Ω
<b>Panel Dimensions</b>	
Dimensions (WxHxD)	440 x 370 x 126 mm
Weight (without batteries)	4 kg
Weight (including 12 Ah batteries)	12 kg
<b>Printer Cabinet Dimensions</b>	
Dimensions	440 x 120 x 126 mm
Weight	1 kg
<b>Battery Cabinet Dimensions</b>	
Dimensions	440 x 250 x 126 mm
Weight (including batteries) 17 Ah)	14 kg
<b>Dimension of the external expansion cabinet</b>	
Dimensions	440 x 250 x 126 mm
Weight	1kg
<b>Specification and Certification</b>	
Standards	EN 54-2 and EN 54-4
DoP	DoP-0370-CPR-3813-1

**JBE-P2L1-2LE+IO**

Addressable fire detection panel with 2 loop (400 devices) with the 2-input and 4-output supervised expansion cards (JBE-P2L2-IO). Expandable up to 8 loops with additional cards (JBE-P2L2-2LP) and expansion box (JBE-EXP).

Fully programmable from the control panel or by means of any portable device.

**Fire detection control panels DRACO****JBE-P2L1-1LE**

Addressable fire detection panel with 1 loop (200 devices) expandable up to a maximum of 4 loops with additional loop card (JBE-P2L1-EXLP) for the second loop and with loop expansion card (JBE-P2L2-2LP) for the third and fourth loop,

**JBE-P2L1-2LE**

Addressable fire detection panel with 2 loop (400 devices). It maintains the same characteristics as the single-loop panel. Fully programmable from the control panel or by means of any portable device. Expandable up to 4 loops with additional loop expansion card. (JBE-P2L2-2LP)

**JBE-P2L1-4LE**

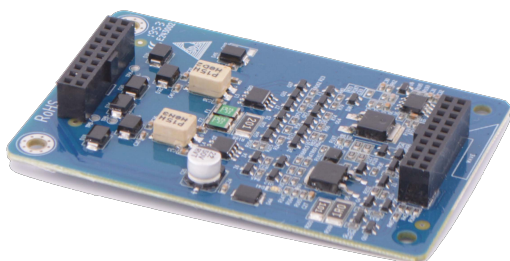
Addressable fire detection panel with 4 loop (800 devices) expandable up to 8 loops with add-on cards (JBE-P2L2-2LP) and its expansion box (JBE-EXP)

Fully programmable from the control panel or by means of any portable device.

## Accessories for fire detection control panels DRACO

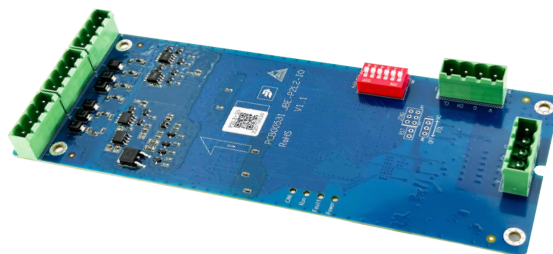
### Second loop card (JBE-P2L1-EXLP)

The optional second loop card (JBE-P2L1-EXLP) can be added to the main loop panel card to expand it into a two-loop panel. The second loop has the same capabilities as the first loop in the number of devices and power limits.



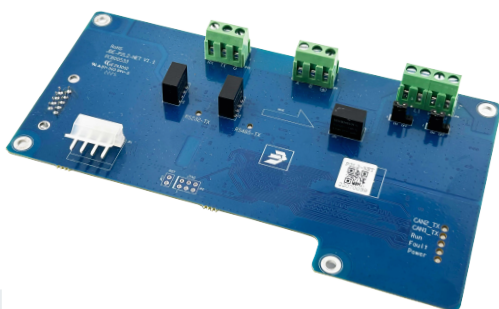
### IO expansion card (JBE-P2L2-IO)

The JBE-P2L2-IO card allows adding 2 additional inputs and 4 additional outputs supervised to the JBE-P2L1 fire panel.



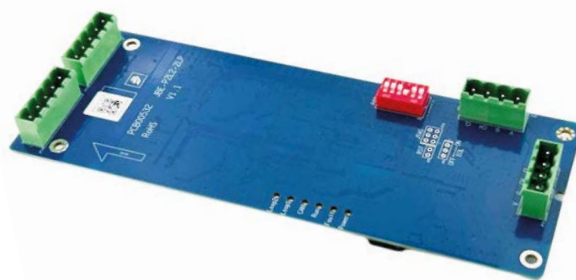
### Network communication card (JBE-P2L2-NET)

The JBE-P2L2-NET card allows to connect the JBE-P2L1 fire panel to communicate on a dedicated network. Watch our video explaining how to install and configure the JBE-P2L2-NET network card.



### Loop expansion card (JBE-P2L2-2LP)

The JBE-P2L2-2LP expansion card allows for the addition of two additional loops to the JBE-P2L1 control panel configuration. Each expansion card provides an additional two loops to the panel, with a maximum of eight loops with up to three cards per panel. The main panel card provides two loops to the system.



## Box accessories

### External battery box

#### (JBE-BAT)

The optional external battery box provides the housing and cables needed to use two (2) 17 Ah batteries. This is to use 17 Ah batteries instead of the 7 or 12 Ah batteries for longer stand by time.



### Printer

#### (JBE-PRT)

The optional printer consists of an external printer box with a thermal printer. It can be installed/attached under the cabinet of the panel. When the printer is installed, users with access level 3 can setup the printer from the adjust menu.



### External expansion box

#### (JBE-EXP)

The external expansion box (JBE-EXP) provides a cabinet equipped with the necessary cables to support up to three JBE-P2L2-2LP or four JBE-P2L2-IO cards. This allows the panel to be expanded

