Technical Datasheet

JN1-4PRO Expandable CO and NO2 Panel

Product Category:
Panels

SKU:
JN1-4PRO

Description

The JNPRO is a microprocessor-based control panel for detecting carbon monoxide and nitrogen dioxide, designed in accordance with the requirements of the EN54 standards.

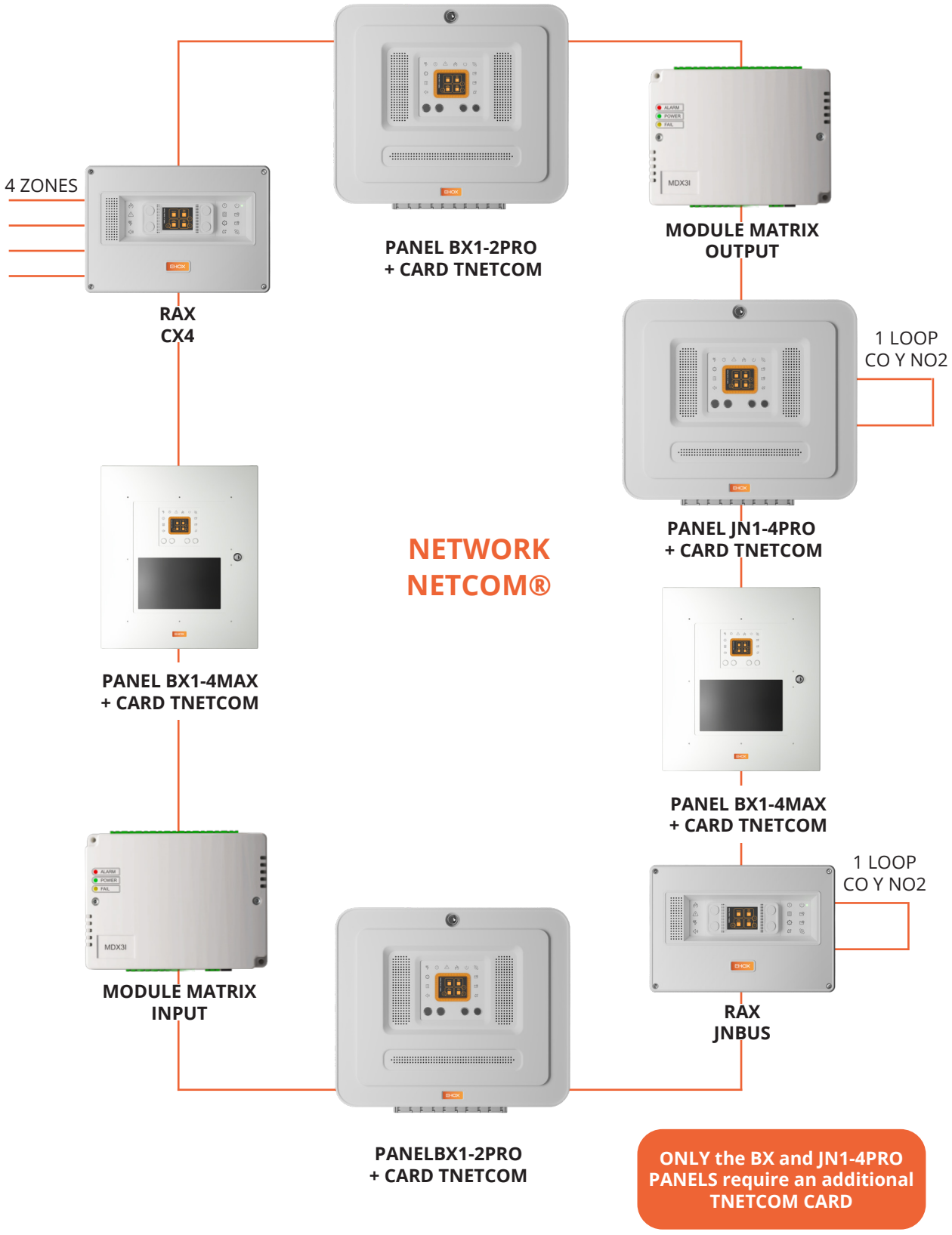
The JNPRO panel provides monitoring and event information for 1 loop (250); with the 1-loop expansion card (Ref. TLJN), it supports up to 4 loops (250), depending on the installation configuration.

The JNBUS panel's pre-alarm and alarm relays are loop-powered and are installed directly on the loop, eliminating the need for wiring to the control panel.

They must be installed in accordance with the mandatory Fire Detection System Installation Standards.

They are designed for new conventional installations and can incorporate conventional components from any manufacturer in the zone, providing full connectivity with the NUSKU platform.

They allow for the creation of a network of control panels (NETCOM®) by incorporating the network card (Ref. TNETCOM) into the JNPRO panels, and also allow RAX panels and MATRIX modules to be connected to this same network, enabling a much more comprehensive network.



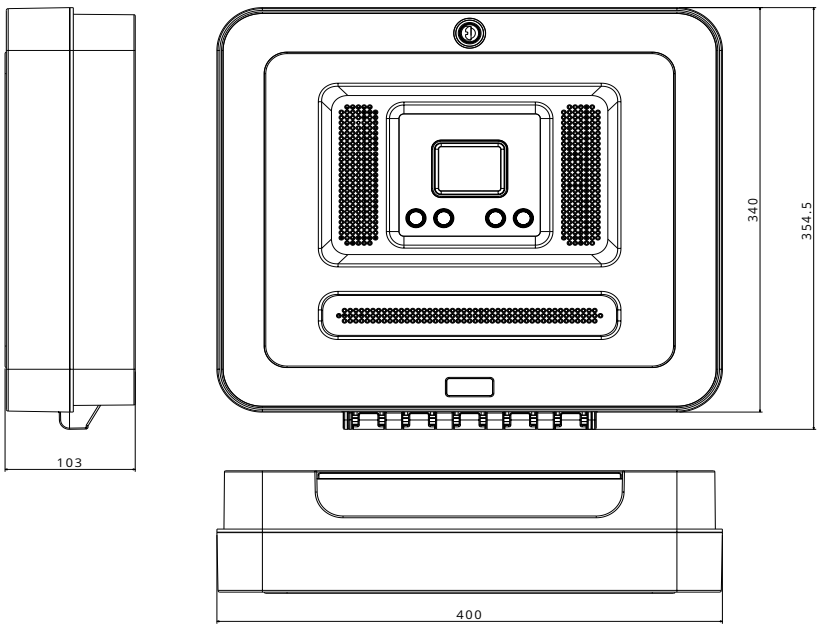
NETCOM® embodies EHOX's innovation in fire protection, offering a smarter and more efficient way to advance fire detection systems.

Features

JNPRO panels can support 1 to 4 loops, with up to 250 devices per loop. The panel offers the following standard features:

- 2 programmable inputs/outputs.
- 2 relay outputs, alarm, and fault.
- USB port and Bluetooth connectivity for programming.
- Ethernet port for remote programming, integrations, and communication with the Nusku® platform.
- Wi-Fi communication for remote connection and communication with the Nusku® platform.
- 4G communication via module (optional) for remote connection and communication with the Nusku® platform.
- 2.7” multilingual TFT touchscreen.

Dimensions



Devices compatible with JNPRO panels

- Analog CO Detector (JNC)
- Analog NO2 Detector (JND)
- CO and NO2 Detector (JNDUAL)
- Wireless Relay Output Module (JNR2 and JNR4)
- 4G Communications Module (W4G)
- 4G Voice and Data Communications Module (W4GV)

Technical Specifications	
Dimensions	360mm X 400mm X 100mm
Weight	2,6 Kg
Structure	White ABS plastic box RAL 9010
Mounting holes	1 hole/corner on the bottom + 1 in the center
Cable entries	7 die-cut openings on the top + 4 on the bottom
Panel operating voltage	230 Vca 50Hz +/- 10%
Power supply fuse	2A 250V
Battery charger output voltage	28Vcc at 20ºC
Programmable auxiliary outputs	24Vcc ± 20%, 300mA
Power supply output	24 Vcc. 50W
Batteries	2x 12Vcc-7Ah
Max. loop voltage	28 Vcc
Max. loop current	500 mA
Max. loop cable length	3,5 Km
Max. number of devices per loop	250
RFL siren outputs	20KΩ
Alarm resistance	5K6Ω
Climate clasification	3K5, (IEC 721-2-3)
Operating temperature	0°C to +40°C
Relative humidity	5% to 95% non-condensing
Ingress protection	IP30 (EN60529)
Certifications	UNE 23300