

Technical Datasheet

TL Zone and Loop Expansion Cards

Product Category:
Cards

SKU:
TLCX/TLZX/TLBX/TLJN

Description

TL cards allow for the expansion of zones or loops in EHOX control panels.

The TLCX provides 4 conventional zone outputs, each supporting 32 detection devices.

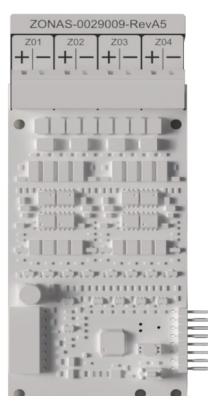
The TLZX provides 4 hybrid zone outputs, each supporting 32 detection devices, or 2 loop outputs, each supporting 64 detection devices.

TLBX provides 1 loop output for 350 detection devices.

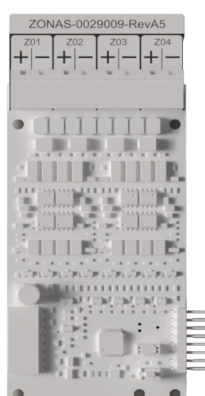
TLJN provides 1 loop output for 250 gas detection devices.

TL expansion cards are installed in the BLACK BOX slots of PRO and MAX panels, allowing these panels to be configured according to the installation's requirements.

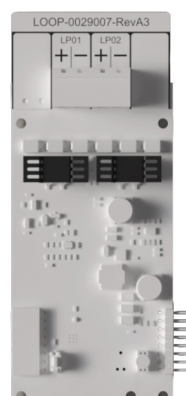
Variants



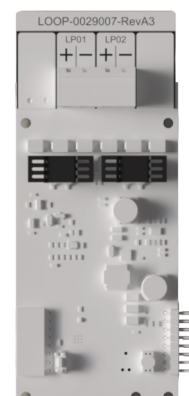
4Z EXTENSION
TLCX



4Z EXTENSION
TLZX



EXTENSION
1 LOOP
TLBX



EXTENSION
1 LOOP
TLJN

TLCX Features

- ✓ Provides 4 conventional zone outputs
- ✓ 32 conventional devices per zone
- ✓ 4K7Ω terminating resistor
- ✓ Maximum zone cable length: 1.5 km
- ✓ Plug-in compatible with CXPRO series panels

TLZX Features

- ✓ Provides 4 hybrid zone outputs or 2 hybrid loops
- ✓ 32 devices per zone or 64 per loop (conventional or analog)
- ✓ 4K7Ω terminating resistor
- ✓ Maximum zone cable length: 1.5 km
- ✓ Plug-in compatible with ZXPRO series control panels

TLBX Features

- ✓ Provides 1 algorithmic loop output
- ✓ 350 algorithmic devices per loop
- ✓ Maximum loop cable length: 3.5 km
- ✓ Plug-in compatible with control panels in the BXPRO and BXMAX series

TLJN Features

- ✓ Provides 1 analog gas loop output
- ✓ 250 analog gas devices per loop
- ✓ Maximum loop cable length, 2 km
- ✓ Plug-in compatible with control panels in the JNPRO series

Technical Specifications

Dimensions	55mm (with connection pins) x 110mm (with removable connectors)
Structure	Motherboard with connection
Operating voltage	from 24 to 32 Vcc
Wiring • TLCX/TLZX • TLBX/TLJN	2 x 1.5mm ² stranded LSZH cable 2 x 1.5mm ² shielded twisted cable LSZH
Standby power consumption	<100 µA
Alarm power consumption	<100 mA
Climate classification	3K5, (IEC 721-2-3)
Operating temperature	-10°C to +70°C
Relative humidity	5% to 95% non-condensing
Ingress protection	IP20 (EN60529)
Certifications	EN54

Dimensions TL Cards

