

# TXC7016/08/04/02

## Conventional Fire Alarm Control Panel



### Features and Benefits

- Certified according to EN54-2 & EN54-4
- TÜV approved
- LED Display 2/4/8/12 zone conventional fire alarm panels
- Up to 15 detectors per zone.
- 2 User Levels.
- Zone test mode / disable
- Day/Night mode

### Overview

TXC7002/TXC7004/TXC7008/TXC7016 conventional fire alarm control panels are designed according to EN54-2 & EN54-4 standards, and can be connected with sounder strobe TXC7300, manual call point TXC7140, smoke detector TXC7100, heat detector TXC7110, and other equipment. This series is easy to install and debug, and easy to operate.

### Technical specification

Input Voltage	
<b>Input voltage</b>	100V ~ 230V, 50/60 Hz
<b>Input Current</b>	2.8A
<b>Fuse</b>	250VAC, T2A (in SPS)
Operating Voltage	
<b>Minimum Operating Voltage</b>	21.5 V
<b>Maximum Charging Current</b>	27.6 V
<b>Battery Type</b>	Sealed lead-acid battery
<b>Maximum Battery Capacity</b>	2 batteries, 7Ah / 12V
<b>Maximum Internal Resistance of Batteries</b>	1 $\Omega$
<b>Standby Current (Fully Loaded)</b>	0.1 A
<b>Maximum Operating Current of Batteries</b>	2.1 A





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## Technical specification

Detection Zone	
<b>Number of Zones</b>	Maximum 16 zones
<b>Detectors per Zone</b>	Up to 15 conventional detectors
<b>Output Voltage</b>	18VDC ~ 28VDC
<b>Standby Current</b>	< 6 mA (with 15 conventional detectors connected)
<b>Alarm Current</b>	~ 25 mA
<b>End-of-Line Resistor</b>	4.7 k $\Omega$
<b>Fire Alarm Resistance Range</b>	150 $\Omega$ ~ 1.5 k $\Omega$ (typically 510 $\Omega$ )
<b>Recommended Wiring</b>	1.0 mm <sup>2</sup> or above shield cable, complying with local installation codes
<b>Recommended Cable Length</b>	Maximum 1000 m
Output Interface	
<b>Fault Output</b>	Type: Normally open/close contact output Contact Capacity: 1A / 24VDC
<b>Disable / Supervisory Output</b>	Type: Normally open/close contact output Contact Capacity: 1A / 24VDC
<b>Alarm Output</b>	Type: Voltage output, NO/NC contact available (default: voltage output) Contact Capacity: 1A / 24VDC Output Voltage: 18VDC ~ 28VDC Output Current: 300 mA (in alarm) End-of-Line Resistor: 4.7 k $\Omega$
<b>Sounder 1 Output</b>	Type: Voltage output, NO/NC contact available (default: voltage output) Contact Capacity: 1A / 24VDC Output Voltage: 18VDC ~ 28VDC Output Current: 300 mA (in alarm) End-of-Line Resistor: 4.7 k $\Omega$
<b>Sounder 2 - 3 Output</b>	Type: Voltage output Output Voltage: 18VDC ~ 28VDC Output Current: 300 mA (in alarm) End-of-Line Resistor: 4.7 k $\Omega$
<b>Auxiliary power output</b>	Output Voltage: 18VDC ~ 28VDC Output Current: 20 mA (standby), max. 500 mA (alarm) Recommended Wiring: 1.0 mm <sup>2</sup> or above shield cable, complying with local installation codes. Recommended Cable Length: Maximum 1000 m



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## Technical specification

<b>Input Interface (For Future Use)</b>	
<b>RESET / EVAC / SILENCE Input</b>	Type: Normally open contact input Recommended Wiring: 1.0 mm <sup>2</sup> or above shield cable, complying with local installation codes Recommended Cable Length: Maximum 1000 m
<b>Installation and Storage</b>	
<b>Application</b>	Indoor use below elevation of 2000 m
<b>Overvoltage Category</b>	Class II
<b>Pollution Degree</b>	2
<b>Installation Environment</b>	
<b>Temperature</b>	-5°C~50°C
<b>Relative Humidity</b>	≤ 95%, non-condensing
<b>Storage Environment</b>	
<b>Temperature</b>	-25°C ~ 50°C
<b>Relative Humidity</b>	≤ 95%, non-condensing



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