



Prism-IPX Systems and TPL Systems have Partnered to Develop the Industry's First, Fully Integrated, P25 Activated Siren Controller, the MPSC-1™

INDUSTRY'S FIRST P25 SIREN CONTROLLER

Why P25?

Reliability- Systems are built with a high degree of redundancy ensuring message reliability.

Professionally Monitored and Maintained- Given the critical nature of Public Safety communications any system anomaly has to be addressed quickly to ensure minimum service interruption.

Secure Communications- Provides secure communications to protect against malicious intervention.

Superior RF Coverage- Administrators are continuously investing in improved RF coverage and services

Why Consider the MPSC-1™ Controller?

Supports Multiple Systems- In addition to P25, the MPSC-1™ supports legacy analog environments thereby allowing operation on a legacy system with a seamless transition to P25.

Fully Integrated for High Reliability- One PCB supports multiple systems

Ease of P25 Integration- Due to the MPSC-1™ software design, it will have no impact on P25 System resources.

Status Reporting- The MPSC-1™ supports Internet and 3/4G LTE interfaces which can be used for alternative activation control and /or operational status reporting.

Upgradeable- Its hardware modularity and Software Designed Radio architecture allows for ease of upgrade or redeployment.



SPECIFICATIONS

ELECTRICAL

DC Input Voltage Range: 9 - 48V Nominal

4 Outputs Rugged Contact Relays:

- AC: 16A @ 250VAC
- DC: 8A @ 24VDC

4 Inputs Dry Contacts :

- External Button for Siren Activation
- Power Supply Alarm
- User Input Source 1
- User Input Source 2

Board Connectors: RS485 , Ethernet RJ45, USB C, Antennas.

Operating Temperature : -22 to +158 Fahrenheit

RADIO PROTOCOLS

P25 Module: Conventional/ Trunked Phase I & II

Frequency Range: VHF/ UHF/ 763 - 776 MHz / 851 - 870 MHz

Sensitivity: -119dBm Typical

Rejection: 70dB

Selectivity: >60dB

Spurious: >70dB

Antenna Impedance: 50 Ohms

VHF/UHF Module: 2Tone/DTMF/POCSAG

Frequency Range: 136 - 174 MHz / 434 - 470 MHz

Sensitivity: -119dBm Typical

Channel Spacing: 6,25kHz/12,5kHz/25kHz

Baud Rate: 512, 1200 or 2400

Antenna Impedance: 50 Ohms

3G/4G LTE Module:

Category: Cat-1

Frequency Bands: B2, B4, B5, B12, B13, B14, B25, B26, B66, B71

Data Speed: Peak Download Rate 10Mbps

Peak Upload Rate 5Mbps

Planned Carrier: AT&T, Sprint, T-Mobile, Verizon

Regulatory : FCC, GCF, IC, PTCRB

MILD STEEL BOX

Dimensions: H 14 in x W 12 in x D 6 in

Weight: Complete Box Wired 19 lbs. Board Only 2 lbs.

Door: Front Face, 120° Opening , Padlockable Quarter Turn Latch

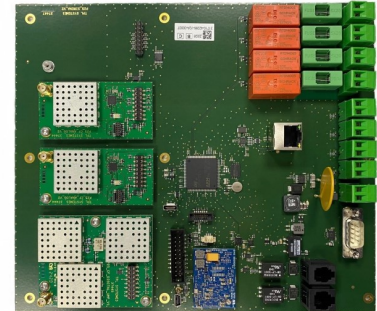
Standards: UL 864, UL 508A Type 3R, 4, 12 and 13

CSA Type 3R, 4, 12 and 13

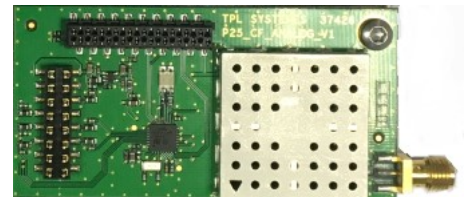
Complies with NEMA Type 3R, 4, 12 and 13

IEC 60529, IP66

Cable gland with N connectors on bottom of the cabinet for antennas



Control Module



**Option: 2Tone/DTMF/POCSAG
VHF or UHF Module**



Option: 3G/4G LTE Module



Option: Mild Steel Box