



*The Industry's First, Fully Integrated , P25 Activated Siren Controller.
Its Multiprotocol RF Bands Design can Supports 3G/4G, IP, Pocsag, 2-Tone Analog
and DTMF Signaling , Simplifying The Transition from Analog to Digital .*

MP-SC P25 SIREN CONTROLLER

The MP-SC P25 Siren Controller protects a Municipality's or County's Investment.

Analog Systems have served communities for many years , but newer, more capable systems, such as P25 offer many more advantages and are quickly replacing the older analog systems. The P25 Siren Controller , due to its Multiprotocol RF Receivers and Multi-Mode capabilities , can be integrated into an existing Analog Siren network and then easily be converted to P25 control. In addition to offering a complete cabinet solution, it is possible to order the Controller Module only and integrate into the existing enclosure.

Worst case, a new external antenna may be needed (e.g., VHF to 700/800MHz), but one will not have to replace the P25 Siren Controller.

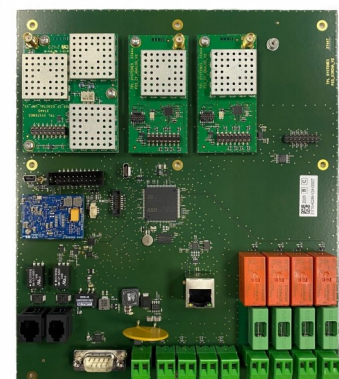
Another way the P25 Siren Controller protects one's initial investment is, it is a **Software Defined Solution.**

Being Software Defined means as new capabilities are added to the P25 Systems ,it can easily be updated in the field.

The P25 Siren Controller supports:

- Phase I and II P25 Trunking Environments
- P25 Conventional Control
- 2-Tone and DTMF, Analog, Control
- POCsAG digital
- 3G/4G LTE
- DC Voltage :9-48V
- 4, Heavy Duty, Relay Closures

- Multi-Band Receiver –Analog or P25 on either or both Bands, or more with Pocsag , 3G/4G LTE & IP
- Audio Input
- Field Programmable
- Software Upgradeable



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 board: Conventional + Phase I & II

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

Sensitivity: better than -116dBm -119dBm typical

Rejection: 70dB

Selectivity: >60dB

Spurious: >70dB

Antenna Impedance: 50 Ohms

Analog board: 2Tones/DTMF/POCSAG

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

Sensitivity: better than -116dBm -119dBm typical

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

Baud Rate: 512, 1200 or 2400

Antenna Impedance: 50 Ohms

4G Board: 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

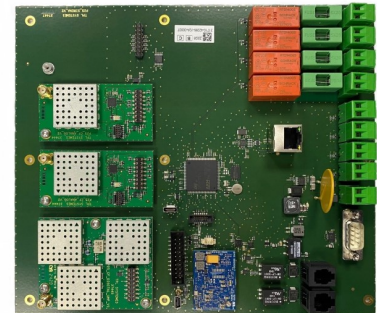
Standards: UL 864, UL 508A Type 3R, 4, 12 and 13

CSA Type 3R, 4, 12 and 13

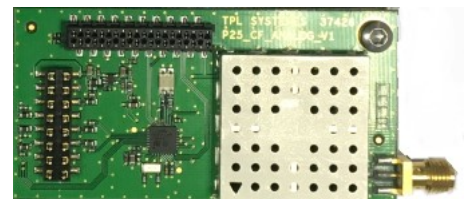
Complies with NEMA Type 3R, 4, 12 and 13

IEC 60529, IP66

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



MP-SC Multiprotocol RF board



**Option: 2Tones/DTMF or Pocsag
VHF or UHF**



Option: 3G/4G LTE Module



Option: Mild Steel Box.