



MP-SC P25 SIREN CONTROLLER

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 .

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.

Another way the PFC-1 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 PFC-1 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 Output
- Field Programmable
- Software Upgradeable
- Weatherproof Housing IP66



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.

Receivers

- P25: 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
- Operating Temperature : -22 to +158 Fahrenheit
- Antenna Impedance :50 Ohms

Optional:

- Analog 2Tones/ DTMF: 136 - 174 MHz / 441 - 470 MHz
- POCSAG digital: 136 - 174 MHz / 434 - 470 MHz
- Channel spacing: 6,25kHz/12,5kHz/25kHz
- Baud rate: 512, 1200 or 2400.

Option: 3G/4G LTE Module:

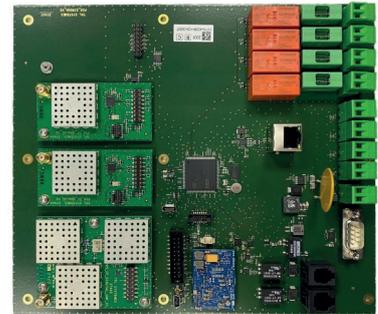
- Category: Cat-1 Frequency Bands:
- B2, B4, B5, B12, B13, B14, B25, B26, B66, B71
- Data Speed: Peak Download Rate 10Mbps
- Peak Upload Rate 5Mbps
- Planned Carrier: AT&T, Sprint, T-Mobile, Verizon
- Regulatory : FCC, GCF, IC, PTCRB

Mechanical

- 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

Specifications are subject to changes without notice to improve performances, functions or design.

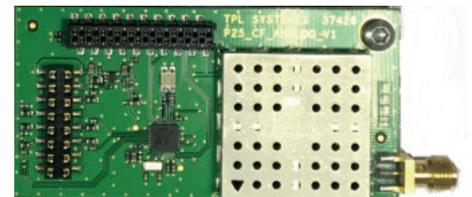
Accessoires



MP-SC Multiprotocol RF board



Option: 3G/4G LTE Module



Option: 2Tones/DTMF or Pocsag
VHF or UHF



Option: Mild Steel Box