DSC
From Tyco Security Products

System Enhancement Module
DSC PowerSeries™ HSPA
ADC-SEM100-PS-TL

Features That Make a Difference:

- Fast, Reliable & Secure Wireless Signaling
- No Separate Power Supply Needed
- Remote Monitoring & Control via Web/Mobile
- Expansive Coverage Footprint
- Home Automation & Energy Management
- Easy-to-Read Diagnostics
- Over the Air (OTA) Upgrades
- Easy Remote Programming with AirFX™
- CID and SIA Central Station Signaling

The Alarm.com System Enhancement Module (SEM) is the most cost effective and comprehensive solution to migrate compatible DSC PowerSeries PC1616, PC1832 and PC1864 panels to Alarm. com's award-winning interactive services. Supporting 3G HSPA means increased bandwidth and speed over 2G for the most secure and reliable service.

- Enable wireless reporting of alarms and other system events using the HSPA wireless (cellular) network
- Access to the secure wireless alarm signaling and routing service operated by Alarm.com
- Configure and support installations from any browser or smartphone using Alarm.com's familiar and easy-to-use web and mobile support tools, including the Dealer Website, AirFX™ and MobileTech
- Enable Alarm.com interactive monitoring and alerting for end users
- Integrate Z-Wave support for Alarm. com's home automation and energy management services

Features

Fast, Reliable & Secure Wireless Signaling

The SEM is intended to be used as the primary communication path for alarm signaling to the central monitoring station, The SEM uses the HSPA network instead of a landline phone connection.

No Separate Power Supply Needed

The SEM does not require its own battery or transformer. It runs on the control panel's AC power and backup battery sources and can function reliably for up to 24 hours during a power outage.

Remote Monitoring & Control via Web/Mobile

Operation of the SEM from the Alarm. com web and mobile interface is simple and allows system access at any time, from any location. Web features from Alarm.com include viewing system and sensor status/history, arming and disarming the system, setting up and managing user codes, and creating customized e-mail and text message notifications for any type of alarm or non-alarm activity at the property.

Expansive Coverage Footprint

Alarm.com's HSPA services are available throughout Canada on TELUS's reliable nationwide network.

Home Automation & Energy Management

Alarm.com's automation and energy management services allow remote control of Z-Wave devices through web and mobile interfaces. Rules can be created to leverage the entire system of connected devices and security sensors.

Easy-to-Read Diagnostics

The SEM's diagnostic LEDs allow installers to monitor the connection between the control panel and the module and between the module and the HSPA cellular network. The LEDs also indicate cellular signal strength, which is useful when choosing the best location for the SEM installation.

Over the Air (OTA) Upgrades

With Over the Air (OTA) firmware upgrades, you can easily keep your SEM inventory current and updated with all the latest features.

Easy Remote Programming with AirFX™

Save valuable time and money with Alarm.com's AirFX Remote Toolkit. Using AirFX, you can troubleshoot and resolve many customer issues remotely with just the click of a mouse.

Functions Include

- Edit sensor type and name in panel
- Add and delete sensors
- Change entry/exit delays
- Manage user codes
- Upload/Download panel settings

AirFX does not require downloader software or a phone line connection to the control panel.

CID and SIA Central Station Signaling

Alarm.com makes it easy to connect to CID and SIA compatible central stations.

Technical Support

Need help now? Call Alarm.com's toll-free dealer support for assistance at 1-866-834-0470.

Specifications

Current Draw	130 mA (standby) 2000 mA (alarm transmission)
Cellular Network	TELUS HSPA (3G)
Z-wave frequency	908.4MHz
Panel Interfaces	3 wire bus connection 12V power to panel battery +
Alarm.com Module Indicators	One module/panel communication status LED, one module power LED, one automation LED, three wireless communication status LEDs
SEM Circuit Board Indicators	One LAN LED, one processor LED, one COMM fail LED
Operating Temperature	32 to 120°F (0 to 49°C)
Storage Temperature	-30 to 140°F (-34 to 60°C)
Humidity	90% relative humidity non-condensing
Enclosure Dimensions (L x W x D)	7.5 x 4.25 x 1.5" (19.05 x 11.43 x 3.81 cm)
Enclosure Color	White
Case Material	High-impact, ABS plastic

Approvals

FCC/IC

Compatibility

The SEM module is compatible with PowerSeries PC1616, PC1832, and PC1864 Version 4.2 and newer.