HIGH SECURITY MADE SIMPLE

Remote Access and Security Solutions for Smart Poles & Shrouds

Protect and control access to smart pole and shroud enclosures using SES's keyless remote access security solutions. The SES smartphone application, enterprise cloud software, military-grade encryption and industry-proven locking hardware provide cost-effective, secure, and authorized access to high-value remote assets anywhere in the world.

UNIQUE NEED FOR SMART POLE SECURITY

As the number of deployed smart poles and shrouds grows, communities will become increasingly critical of this infrastructure's impact on the city's landscape. Planners will delight in a smart pole that fits seamlessly into the existing cityscape with no unsightly padlock hasps or ¼-turn protuberances. Pedestrians will walk by unaware that the pole is loaded with expensive high-tech equipment. A superior level of security is provided by concealing the SES system within the smart pole or shroud enclosure.

EASE OF ACCESS AND IMPROVED OPERATIONS

Door access is remotely granted to authorized technicians via their smartphone using SES's enterprise software and military grade Bluetooth® encryption, which seamlessly integrates with customer's enterprise systems and workflow processes. The SES solution eliminates ineffective access panels held closed with ¼-turn hardware which are not secure. Real-time and historic site access data is generated to assist with efficient asset management and operations.

SCALABLE, HIGH SECURITY HARDWARE

Designed for ultra-cost-effectiveness, the SES solution consists of a single robust Access Control Unit and up to 16 distributed Smart Latches. The Smart Latch provides fully-concealed access panel security with no external hardware. Each Smart Latch includes integral solid-state Door Switch and Latch Status sensors for reliable operation. Each access panel can be assigned to one of two Alarm Outputs, perfect for multi-tenant poles. In addition, the SES solution detects seismic or collision events that exceed preset limits and will immediately alert operations.

ACCESS CONTROL UNIT (ACU)

PHYSICAL	· Surface Mount Plastic Enclosure · W110.2mm, H163.8mm, D59.7mm
POWER	· Input Power · 85 to 264VAC, 47 to 63Hz (Universal) · 9VDC External Backup Input · Output Power · 12VDC @ 1A · Backup Battery
I/O	· 16 Channels - Distributed Control · Accelerometer · Internal Temperature · 2x N.C. Alarm Relay Outputs

INTEGRATED SMART LATCH

PHYSICAL	· 0° or 90° Orientation (8)(9) · W108.4mm, H61.8mm, D40.9mm
I/O	· Door Present Switch · Pawl Latched Switch · Lock Status Switch
POWER INPUT	· 8 to 16VDC @ 1W

ACCESS CONTROL SYSTEM (GENERAL)

ENVIRONMENTAL	· IP65 with Connectors Installed · Operating Temperature -40°C to 70°C · Storage Temperature - 10°C to 40°C
CERTIFICATIONS (1)(2)	· UL294 (US & Canada) · NEBS GR-1089-Core · NEBS GR-3108-Core · FCC

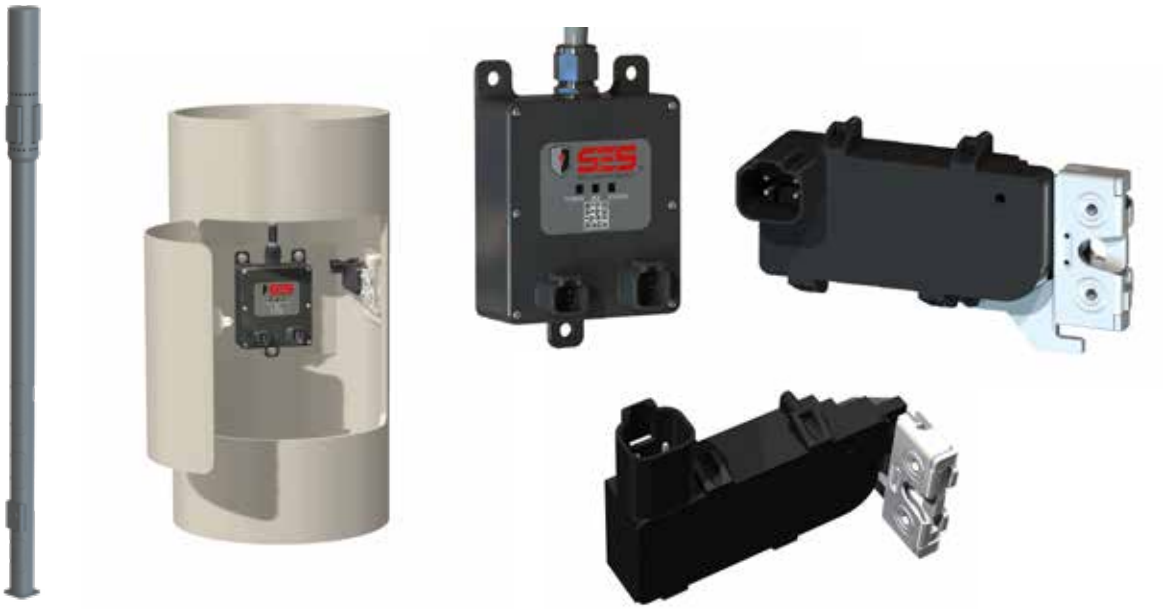
(1) UL294 Certification Complete- Listing in Process
(2) Telecordia Testing In- Process- Expected Completion Q1 2020

KEY BENEFITS

- No External Protuberances
- Track New 5G Technology Roll-Out Field Service Trends with Data Analytics and Reporting
- Reduce Field Service Cost
- Decrease Theft, Vandalism, and Liability Risk
- Seamless Multi-Tenant Support with Audit Trail
- Prevent False Intrusion Alarms

KEY FEATURES

- No Keys — No Can Wrench
- Internally Concealed Highly-Secure Smart Latching Hardware
- Continuous Operation during Power or Wireless Network Outages
- Supports up to 16 Panels/Doors
- Fully Integrated Door Sensors with Two Programmable Alarm Outputs
- Factory Installed — Cost Effective
- UL294 Listed — NEBS Certified



ABOUT SECURITY ENHANCEMENT SYSTEMS

SES provides highly innovative end-to-end remote access solutions that deliver significant field service efficiency improvements while reducing risk and protecting critical infrastructure assets. SES's security products currently protect tens of thousands of geographically dispersed sites while seamlessly integrating with customers' enterprise data, alarm systems, and internal processes. SES's software, electronics, and high-security locks give authorized users on-demand and time-limited access to remote assets, thereby maintaining unprecedented levels of security and helping operations understand the who, when, where and why of every site visit - all from their smartphone.

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