Access Control Unit Data Sheet
REAL-TIME CONTROL OVER YOUR REMOTE ASSETS

Simply and securely grant door access and enforce access policies at all of your remote sites with the SES line of certified Access Control Units (ACUs). As part of SES's robust, yet flexible, end-to-end solutions, our electronic ACU hardware is installed on-site to maximize the security and servicing efficiency of your high-value remote assets.

KEY BENEFITS

MORE EFFICIENT OPERATIONS
Understand the who, what, where and how of every site visit. Our Access Control Unit communicates with the SES security platform to offer insights that help you work more efficiently.

PROTECTION YOU CAN COUNT ON
Telecordia Network Equipment Building System (NEBS) and UL294 certified, the SES line of Access Control Unit hardware is engineered to perform. Use our smartphone app to provide on-demand access to authorized personnel, while protecting assets against unauthorized intrusions - all with complete audit trail capabilities.

KEY FEATURES

UNMATCHED ACCESS CONTROL FUNCTIONALITY

- NEBS and UL Certified to Safely Provide Many Years of Reliable Operation
- Performance Engineered for Rugged Environmental Conditions
- Surface Mount or 1U Rack Mount Enclosure Options
- Communicates with Smartphones via Bluetooth Low Energy
- Military-Grade Encryption

- Powered by 24V or -48V
- Battery Backup Power Outage Protection
- Integrates with most Commercial Electrified Locksets
- Shelters, Cabinets, Poles & Shrouds
- Customized Solutions for Non-Standard Enclosures

ABOUT SECURITY ENHANCEMENT SYSTEMS

SES provides highly innovative end-to-end remote access solutions that deliver significant field service efficiency improvements while protecting critical infrastructure and remote 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 physical locks give users on-demand and time-limited access control over remote assets, maintaining unprecedented levels of security and helping managers understand the who, what, where and when of every site visit - all from their smartphone!

	1 CHANNEL ACU	2 CHANNEL ACU	4 CHANNEL ACU
PHYSICAL			
• Enclosure (1)	W4.82", H7.91", D2.17"	W3.59", H5.71", D2.17"	W5.79", H9.92", D2.17"
• 1U Rack Mount Option (2)	No	Yes	Yes
• Conformal Coated CCA	Yes	Yes	Yes
POWER			
• Voltage	18 - 57Vdc	18 - 57Vdc	18 - 57Vdc
• Power	30W	30W	55W
• Input Isolation	750V	750V	750V
INPUT			
• Dry Contact Switch	1	1	5
OUTPUT			
• Bi-Directional Driver	1	2	4
• Output Voltage	0-24Vdc	0-24Vdc	0-24Vdc
• Max Output Current	1.2A	2.5A	2.5A
• Max Output Power	10W	10W	10W
• PWM Capable	Yes	Yes	Yes
• Relay	1 NO/NC	-	1 NO/NC
• Max Switch Power	60W/125VA	-	60W/125VA
• Max Switch Voltage	220VDC/250VAC	-	220VDC/250VAC
• Max Switch Current	2.0A	-	2.0A
COMMUNICATION			
• BlueTooth 4.0	Yes	Yes	Yes
• CANBUS J1939	-	1 Port	2 Port
• Ext Device Power (3)	-	12Vdc @ 1A /Port	12Vdc @ 1A /Port
BACKUP BATTERY			
• Location	External	On-Board	On-Board
• Chemistry	Primary	Primary	Secondary
• Qty & Type	8x AA Li-Ion or Alkaline	2x CR123 Li-Ion	18650 Li-Ion
• Maintenance (4)	5 Year Replacement (5)	5 Year Replacement (5)	No Maintenance
• Backup Days (6)	180	90	90
• Backup Cycles (6)	20 x 30 Sec @ 150ma	20 x 30 Sec @ 150ma	20 x 30 Sec @ 150ma
ENVIRONMENTAL			
• Operating Temp	-40C - 65C	-40C - 65C	-40C - 65C
• Storage Temp	-10C - 40C	-10C - 40C	-10C - 40C
• Enclosure Rating (7)	NEMA4x/IP65	NEMA4x/IP65	NEMA4x/IP65

CERTIFICATIONS (8)

- ANSI/UL294 - Access Control System Units: 7th Edition, 2018
- UL/CSA 60950-1 & CAN/ULC 60839-11-1 IT Equipment - Safety - General Requirements: 2nd Edition
- Telecordia GR-3108-CORE, Issue 3, April 2013
- Telecordia GR-1089-CORE, Issue 6, May 2011, Section 1, 2, 3
- NEBS Compliance Checklist VZ.NEBS.TE.NPI.2004.015

REGULATORY

- BlueTooth FCC ID: QOQBLE112
- United States (FCC) Complies with Part 15 of the FCC Rules
- Canada (IC) Complies with Industry Canada license-exempt RSS Standards

(1) Surface Mount Enclosure fabricated from UL94-5VA fire-resistant plastic
(2) 1U Rackmount available in 2, 4, 6 and 8 channel configuration, 19" or 23"
(3) Disabled when on battery backup
(4) Extreme cold weather operation may reduce battery life
(5) Batteries should be replaced following significant loss of primary power
(6) Actual performance estimated to exceed 200% of specified value at 20C
(7) Rating prior to alteration for field installation such as conduit knockouts
(8) As packaged in surface mount Enclosure, 1U Rack Mount, or an alternate UL50 approved housing

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