



HIGH SECURITY MADE SIMPLE

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, when, where and why 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 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.

	1 CHANNEL ACU	2 CHANNEL ACU	4 CHANNEL ACU	4 CHANNEL 1U ACU	8 CHANNEL 1U ACU
PHYSICAL • Surface Mount • 1U Rackmount Option (2) • Conformal Coated CCA	W4.82", H7.91", D2.17" Not Applicable Yes	W3.59", H5.71", D2.17" Not Applicable Yes	W5.79", H9.92", D2.17" Not Applicable Yes	W5.79", H9.92", D2.17" W19" or 23", D7" Yes	Not Applicable W19" or 23", D7" Yes
POWER • Voltage • Power • Input Isolation • Fuse	18 to 57VDC 30W 750V 3A	18 to 57VDC 30W 750V 3A	18 to 57VDC 50W 750V 3A	18 to 57VDC 50W 750V 3A	18 to 57VDC 100W 750V 5A
INPUT • Dry Contact Switch	0	0	4	4	8
OUTPUT • Bi-Directional Driver • Output Voltage • Max Output Current • Max Output Power • PWM Capable • Relay • Max Switch Power • Max Switch Voltage • Max Switch Current	1 0 to 24VDC 1.2A 10W Yes 1 NO/NC 60W/125VA 220VDC/250VAC 2.0A	2 0 to 24VDC 2.5A 10W Yes - - - -	4 0 to 24VDC 2.5A 10W Yes 1 NO/NC 60W/125VA 220VDC/250VAC 2.0A	4 0 to 24VDC 2.5A 10W Yes 1 NO/NC 60W/125VA 220VDC/250VAC 2.0A	8 0 to 24VDC 2.5A 10W Yes 2 NO/NC 60A/125A 220VDC/250VAC 2.0A
COMMUNICATION • BlueTooth 4.0 • CANBUS J1939 (9) • Ext Device Power (9)	Yes - -	Yes 1 Port 12Vdc @ 1A /Port	Yes 2 Port 12Vdc @ 1A /Port	Yes 2 Port 12Vdc @ 1A /Port	Yes 4 Ports 12Vdc @ 1A/Port
BACKUP BATTERY • Location • Chemistry • Qty & Type • Maintenance (4) • Backup Days (6) • Backup Cycles (6)	External Primary 8x AA Li-Ion or Alkaline 5 Year Replacement (5) 180 20 x 30 Sec @ 150ma	On-Board Primary 2x CR123 Li-Ion 5 Year Replacement (5) 90 20 x 30 Sec @ 150ma	On-Board Secondary 18650 Li-Ion No Maintenance 90 20 x 30 Sec @ 150ma	On-Board Secondary 18650 Li-Ion No Maintenance 90 20 x 30 Sec @ 150ma	On-Board Secondary 2x 18650 Li-Ion No Maintenance 90 20 x 30 Sec @ 150ma
ENVIRONMENTAL • Operating Temp • Storage Temp • Enclosure Rating (7)	-40C to 70C -10C to 40C Not Applicable	-40C to 70C -10C to 40C NEMA4x	-40C to 70C -10C to 40C NEMA4x	-40C to 70C -10C to 40C NEMA2	-40C to 70C -10C to 40C NEMA2
CERTIFICATIONS (8) • MET-C LISTED - FILE E114590 • UL294 – Access Control System Units: 7th Edition, 2018 • CAN/ULC-60839-11-1:2016 & UL/CSA 60950-1-Second Edition • Telecordia GR-3108-CORE, Issue 3, April 2013 • Telecordia GR-1089-CORE, Issue 6, May 2011, Section 1, 2, 3					
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 (3) Disabled when on battery backup (5) Batteries should be replaced following significant loss of primary power (7) Rating prior to alteration for field installation such as conduit knockouts (9) CANBUS and 12V optional on 1U Rackmount configuration					
(2) 1U Rackmount available in 2, 4, 6 & 8 channel configurations, 19" or 23" Width, Depth 7" (4) Extreme cold weather operation may reduce battery life (6) Actual performance estimated to exceed 200% of specified value at 20C (8) As packaged in surface mount enclosure, 1U Rackmount, or an alternate UL50 approved housing					



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