

SDAC – Single Door Access Control Wiring

Refer to the SDAC Installation Guide (Document #KD10095-E) for complete instructions on connecting the control board and hardware components, setting DIP switches & jumpers, testing voltages, and wiring specific readers. Ensure lock hardware complies with building codes and fire regulations.

Do not store this document inside the ACU enclosure.

Revised Serial Number Format/Software Enrollment

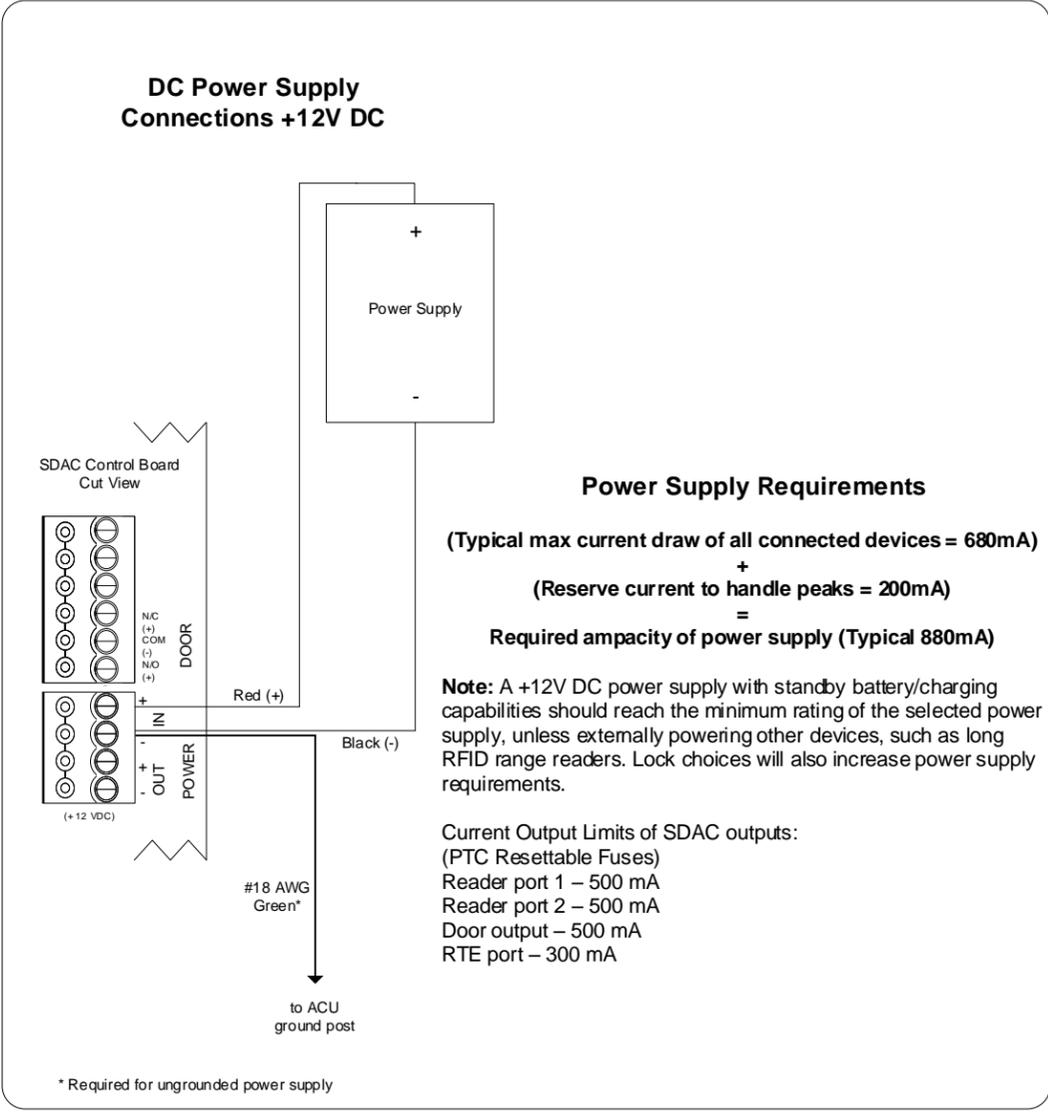
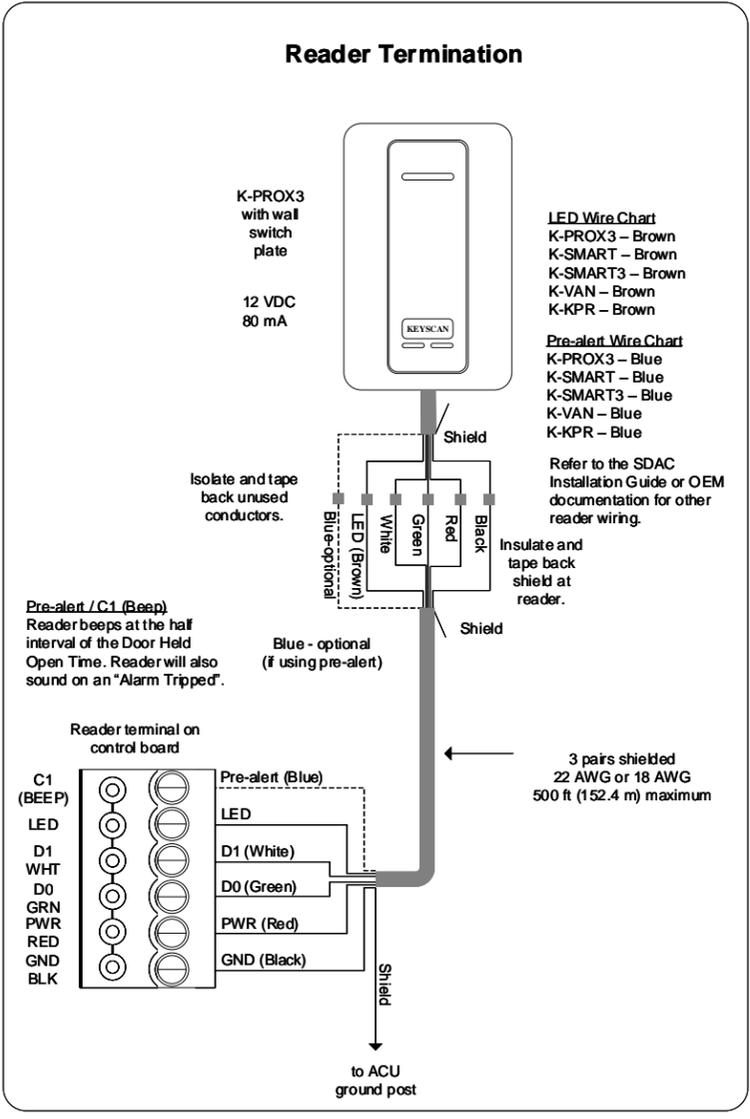
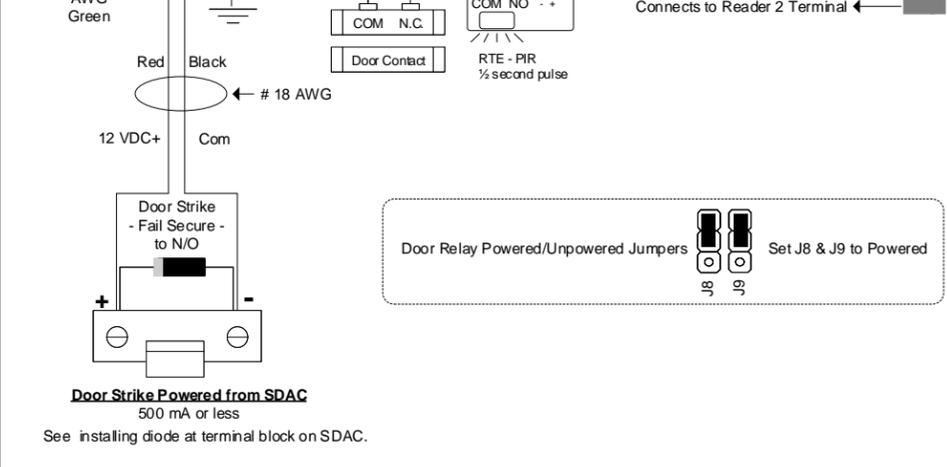
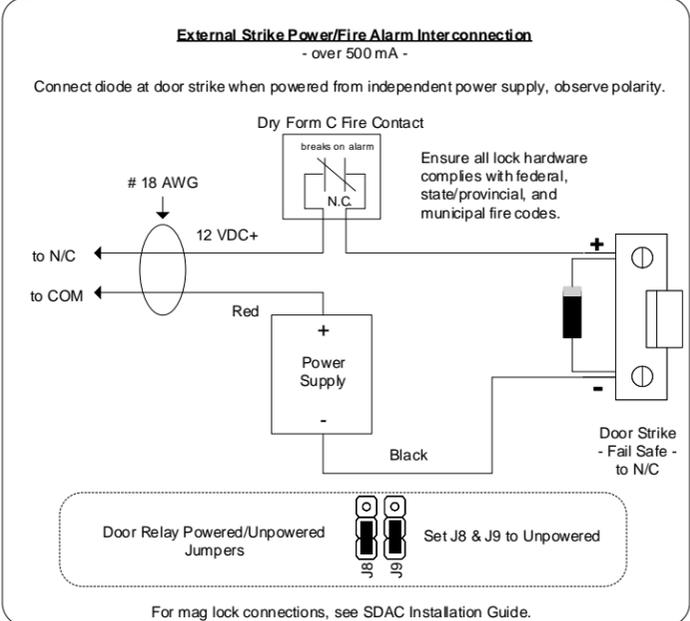
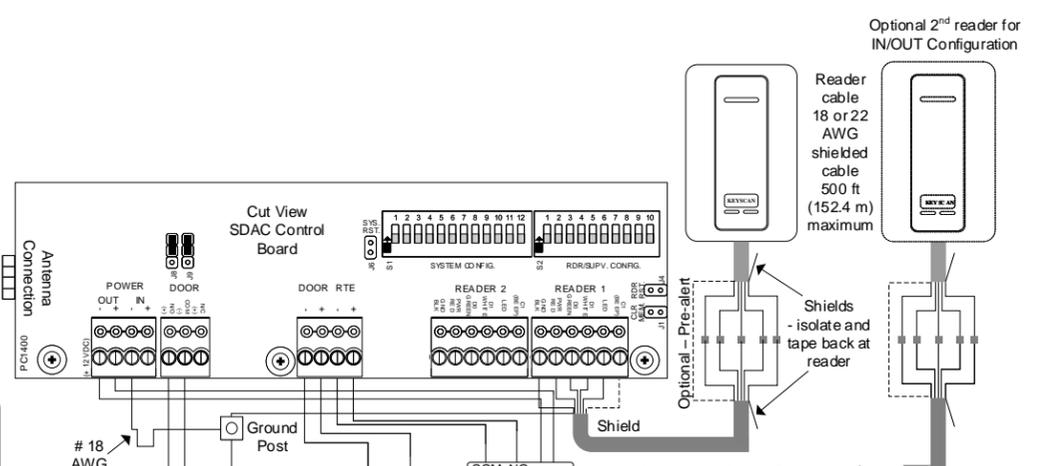
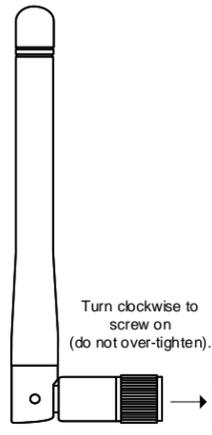
EPROM serial numbers on SDAC control boards have 3 alpha characters followed by 4 numeric characters – example JAC1234. Enter all seven characters of the serial number - above example entered as JAC1234 – into the LUNA™ software when adding a new panel.

Single Panel Communication Only

The SDAC does not support CIM connections to other control units and features associated with the CIM product.

SDAC Antenna

The SDAC antenna is required to be connected when the SDAC is powered. The device may be damaged if powered with no antenna for a short period of time. The supplied antenna should not be changed or remotely located. Replacement antenna Part# SDR4 can be ordered if this antenna is lost or damaged. For optimum communication distance, the antenna should point vertically.



SDAC Control Board – Serial # _____ (Communication address) / IP Address _____ Subnet Mask _____

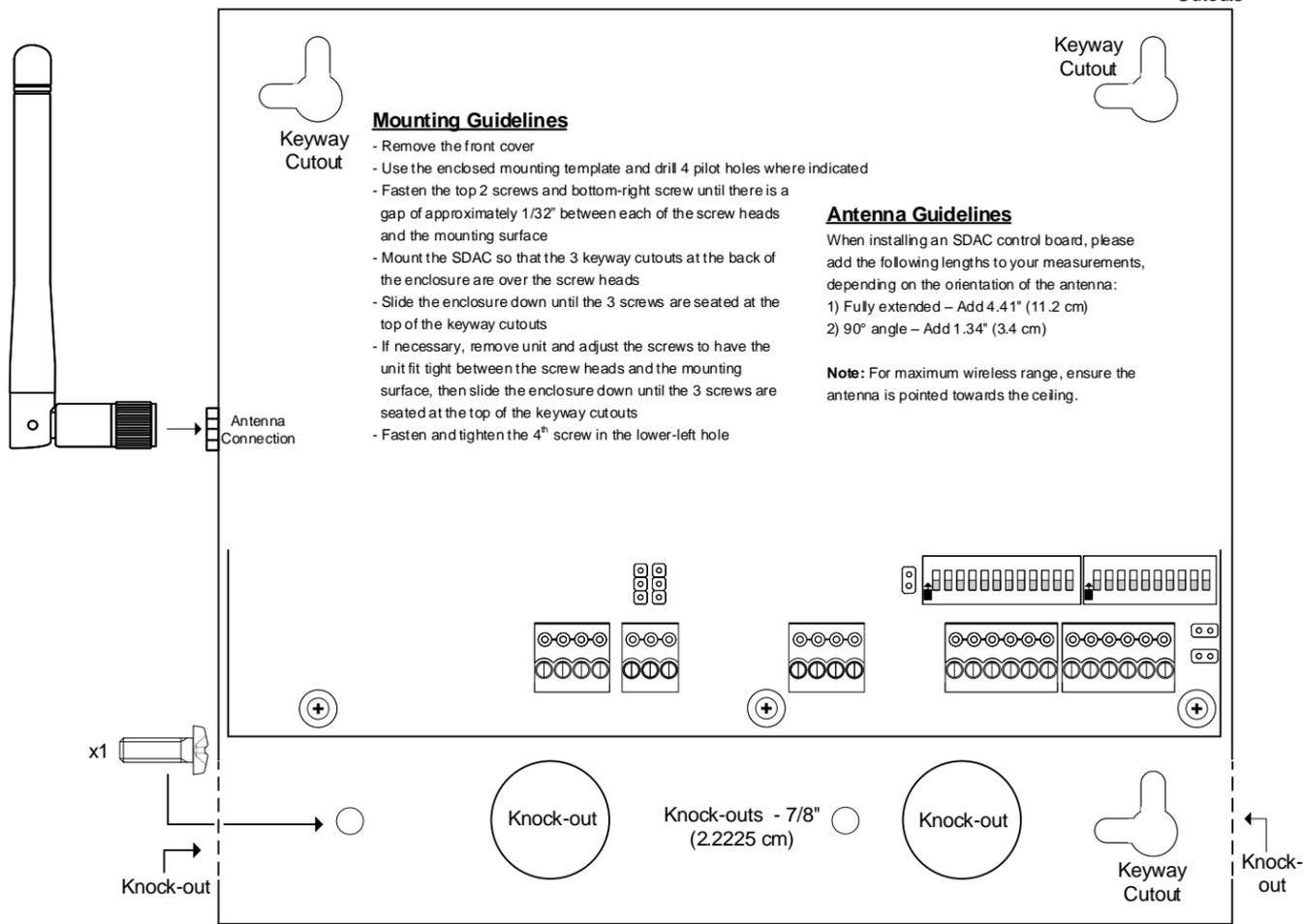
Name _____

Door _____ Reader # 1 / Direction _____ MAC Address _____

Reader # 2 / Direction _____

Mounting Guidelines – Horizontal Mount

Front View of SDAC (with details removed)



Keyway Cutout

Mounting Guidelines

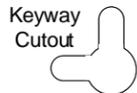
- Remove the front cover
- Use the enclosed mounting template and drill 4 pilot holes where indicated
- Fasten the top 2 screws and bottom-right screw until there is a gap of approximately 1/32" between each of the screw heads and the mounting surface
- Mount the SDAC so that the 3 keyway cutouts at the back of the enclosure are over the screw heads
- Slide the enclosure down until the 3 screws are seated at the top of the keyway cutouts
- If necessary, remove unit and adjust the screws to have the unit fit tight between the screw heads and the mounting surface, then slide the enclosure down until the 3 screws are seated at the top of the keyway cutouts
- Fasten and tighten the 4th screw in the lower-left hole

Antenna Guidelines

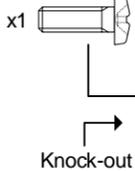
When installing an SDAC control board, please add the following lengths to your measurements, depending on the orientation of the antenna:

- 1) Fully extended – Add 4.41" (11.2 cm)
- 2) 90° angle – Add 1.34" (3.4 cm)

Note: For maximum wireless range, ensure the antenna is pointed towards the ceiling.



Keyway Cutout

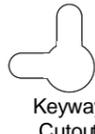


Knock-out

Knock-outs - 7/8" (2.2225 cm)



Knock-out



Keyway Cutout



Knock-out

Note: If the complete SDAC control board setup (including antenna) does not fit into the designated mounting space, the unit can be turned clockwise by 90° (with the antenna facing upward).