APPLICATIONS BULLETIN #19

Subject: USING THE SECURA KEY DTK-CR SURGE SUPPRESSOR WITH SK-ACP

The DTK-CR is a multi-line surge suppressor that can protect card readers and keypads from damaging power surges. It can be used between an SK-ACP panel and any wiegand-output reader/keypad. This is especially useful where readers are located on gates and parking control equipment. It may also be used to protect standalone access control units.

Locate the DTK-CR at least three (3) feet of wire from the unit to be protected.

Connect the green ground wire to a dependable earth ground, using a heavy gauge cable (12 or 14 AWG recommended). Keep the wire run to the grounding location as short as possible.

Wiegand-output Card Readers and Keypads.

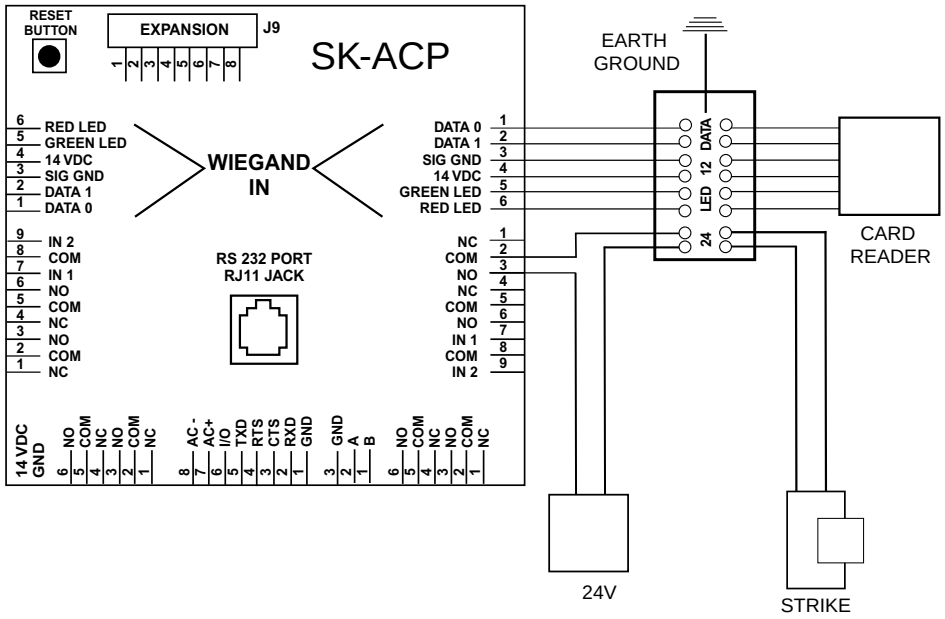
Connect the wiegand “0” and wiegand “1” wires from the control panel to DATA IN. Connect the wiegand “0” and “1” wires from the reader to DATA OUT.

Connect the reader power lines from the control panel to 5-12V IN. Connect the power wires from the reader to 5-12V OUT.

Connect the “red” LED and “green” LED lines from the control panel to LED IN. Connect the “red” and “green” LED lines from the reader to LED OUT.

If you are operating a 24 volt electric lock or strike, you can protect it also by connecting the lock power lines to 24V IN and OUT.

DTK-CR
DIAGRAM 1



Stand Alone Access Control Units.

Connect the power supply wires to 5-12V IN or 24V IN, depending upon the voltage used. Connect the power wires to the access control unit to 5-12V OUT or 24V OUT.

DTK-CR
DIAGRAM 2