



ENVIROMUX® Series

Wiring Instruction For:

ENVIROMUX-RKS REMOTE STATION KEYPAD ENVIROMUX-ACK DIGITAL KEYPAD ENVIROMUX-EDR-SF FAIL SAFE STRIKE ENVIROMUX-EDR-SCR FAIL SECURE STRIKE

The ENVIROMUX devices listed above are intended for connection to an NTI ENVIROMUX-SEMS-16 as illustrated below and on the following pages. For additional instruction on their proper use and operation, see any manuals that came with them and the manual provided with your ENVIROMUX-SEMS-16.

For the purposes of these illustrations, the "Keypad" can be either the ENVIROMUX-RKS or ENVIROMUX-ACK.

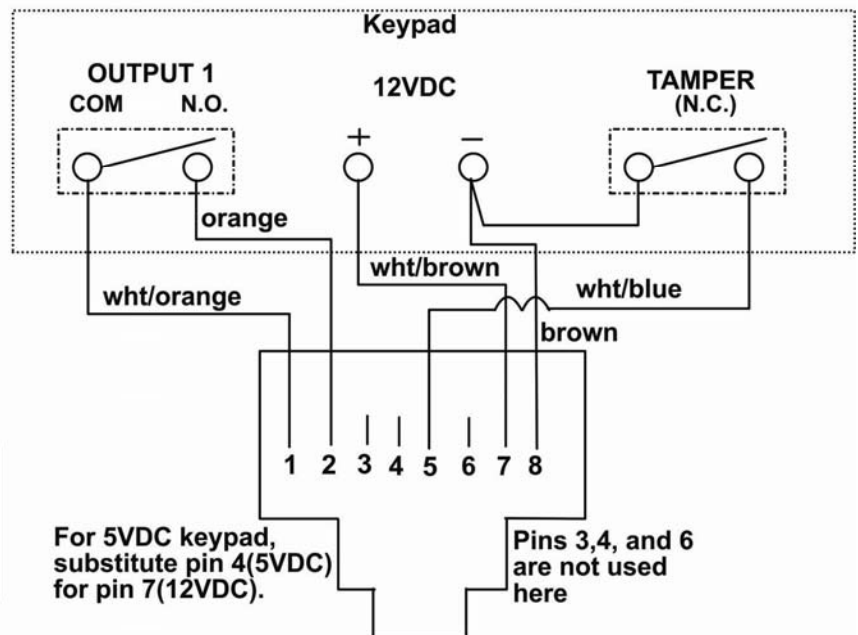
Schematic for wiring Keypad to RJ45 Socket

In this example, the keypad (ENVIROMUX-RKS or ENVIROMUX-ACK) is powered by ENVIROMUX-SEMS-16 and the tamper switch will break the circuit to the electric strike if opened.

Through the ENVIROMUX firmware, the closure of OUTPUT 1 on the keypad will cause an alert message and can close the OUTPUT RELAY 1 normally-open switch, powering the electric strike.

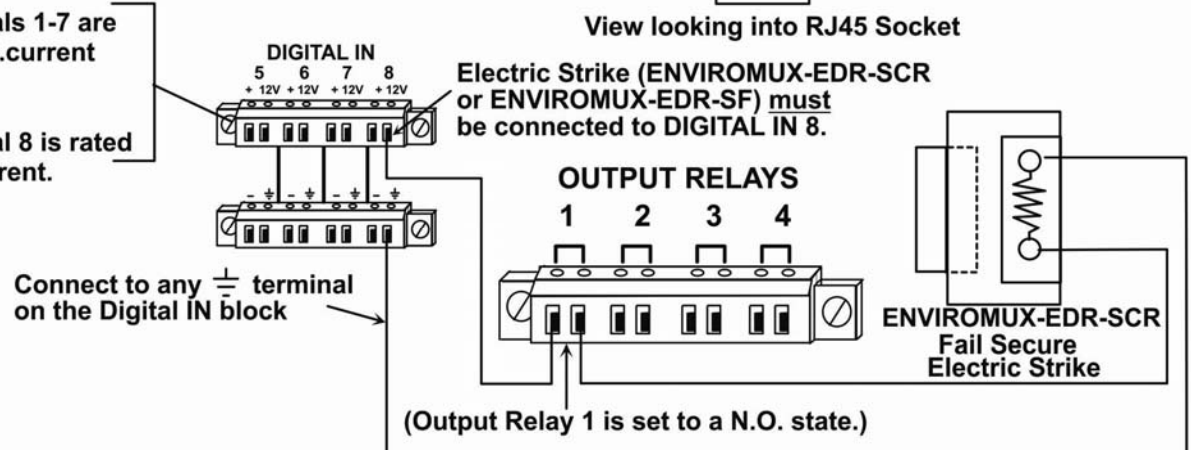
On the sensor configuration page, the tamper can be configured to block the closure of OUTPUT RELAY 1.

Note: Up to two keypads may be connected to the RJ45 sensor ports provided only 1 is connected per row of ports. (i.e. one keypad may be connected to any port 1-8, and one may be connected to any port 9-16).



DIGITAL IN terminals 1-7 are rated at 50mA max.current

DIGITAL IN terminal 8 is rated at 650mA max. current.



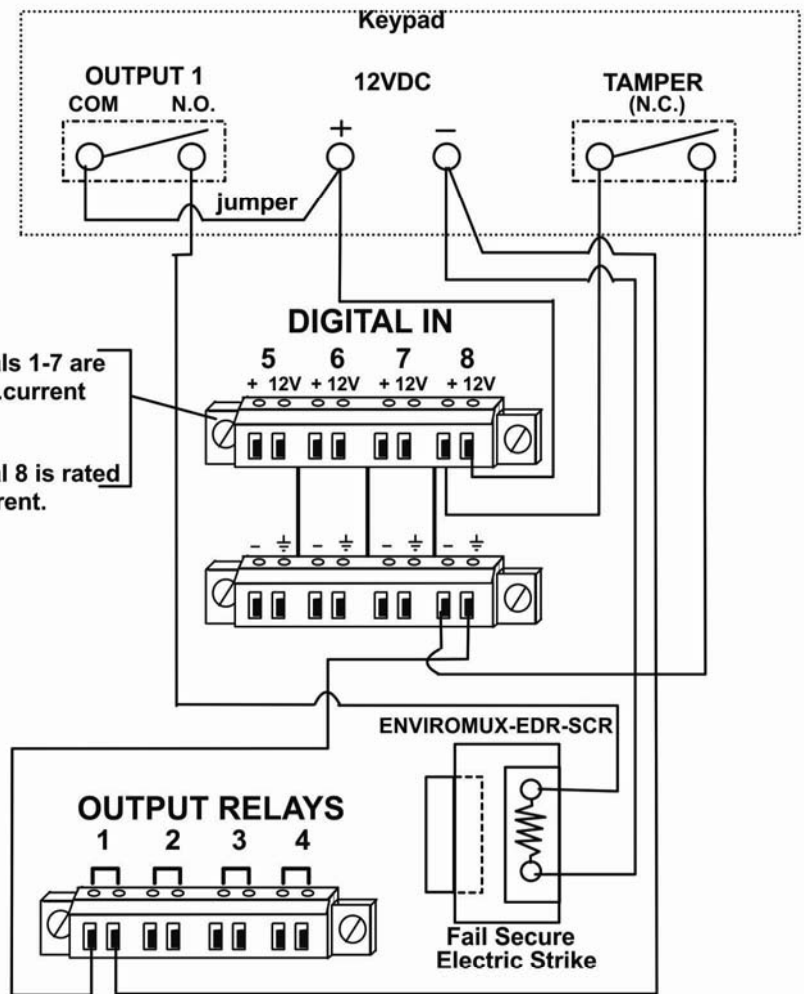
Example of schematic for wiring Keypad to Digital In Terminals

In this example, when the correct key-code is entered at the keypad (ENVIROMUX-ACK) or the key is turned (ENVIROMUX-RKS), OUTPUT1 of the keypad will apply 12V to the Electric Strike to activate it.

If the keypad tamper switch is tripped, the ENVIROMUX software (when properly configured to control output relay 1) will break the ground circuit thus disabling both the keypad and the Electric Strike.

DIGITAL IN terminals 1-7 are rated at 50mA max.current

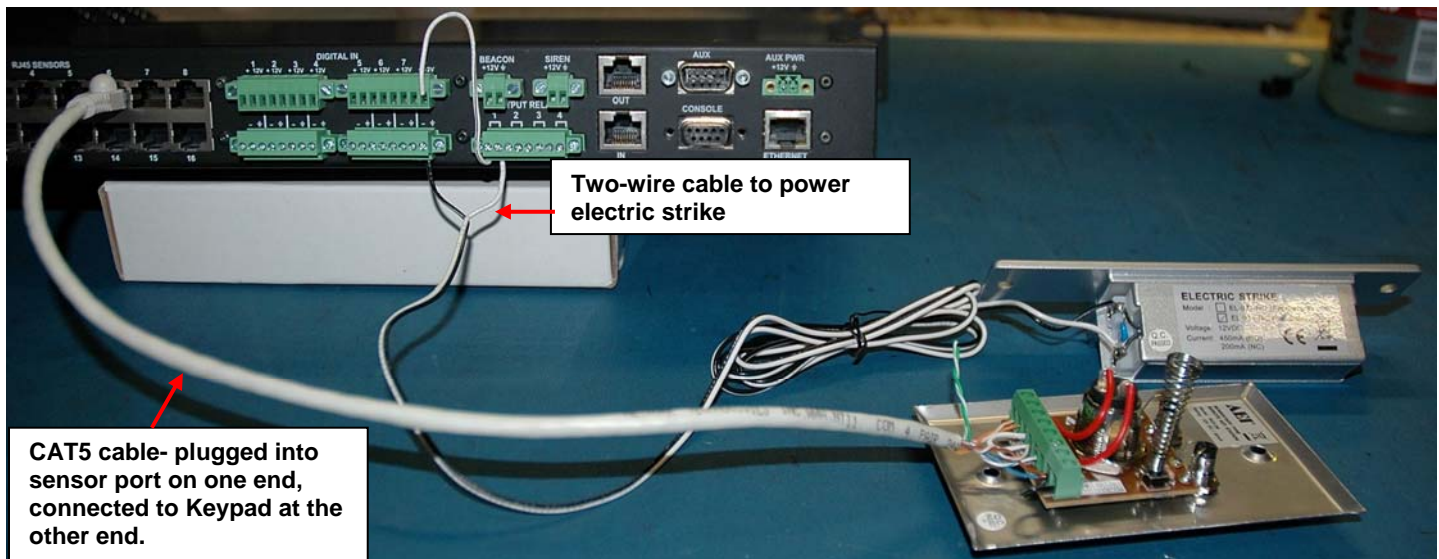
DIGITAL IN terminal 8 is rated at 650mA max. current.

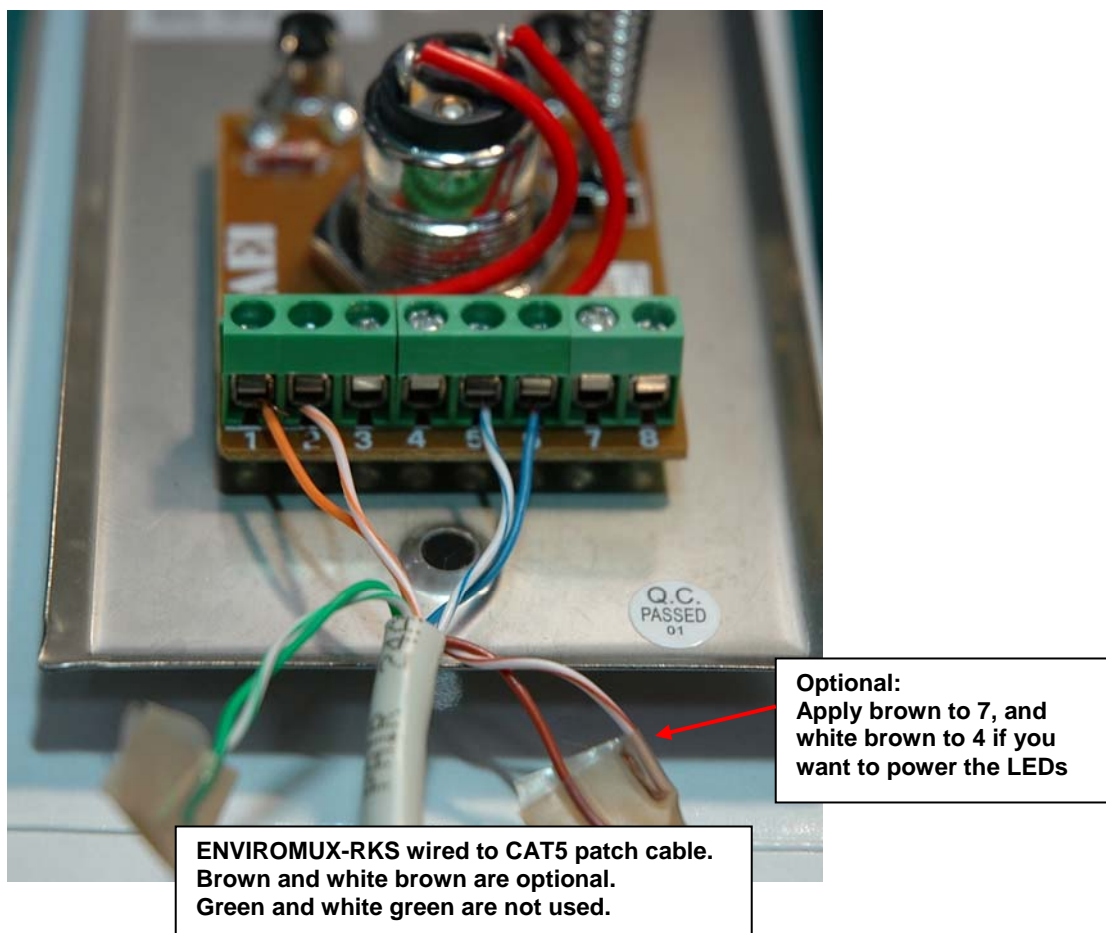
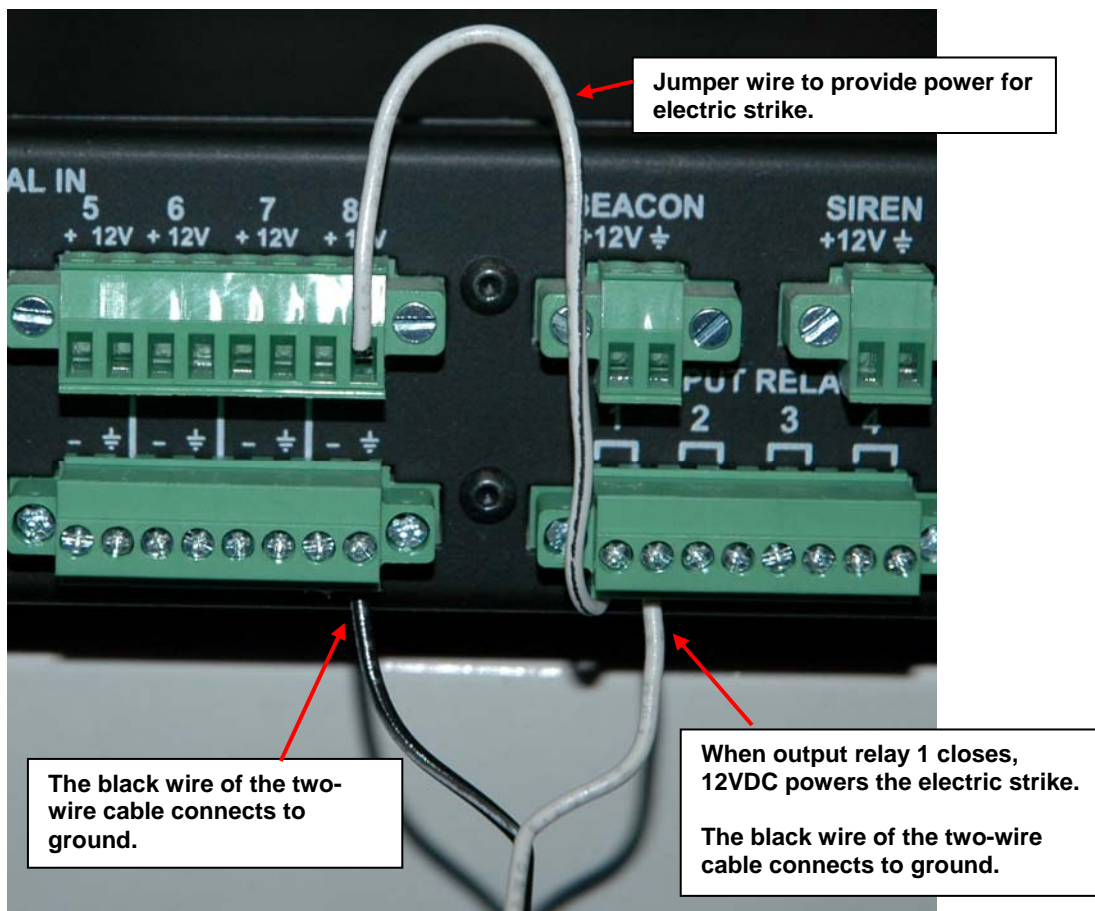


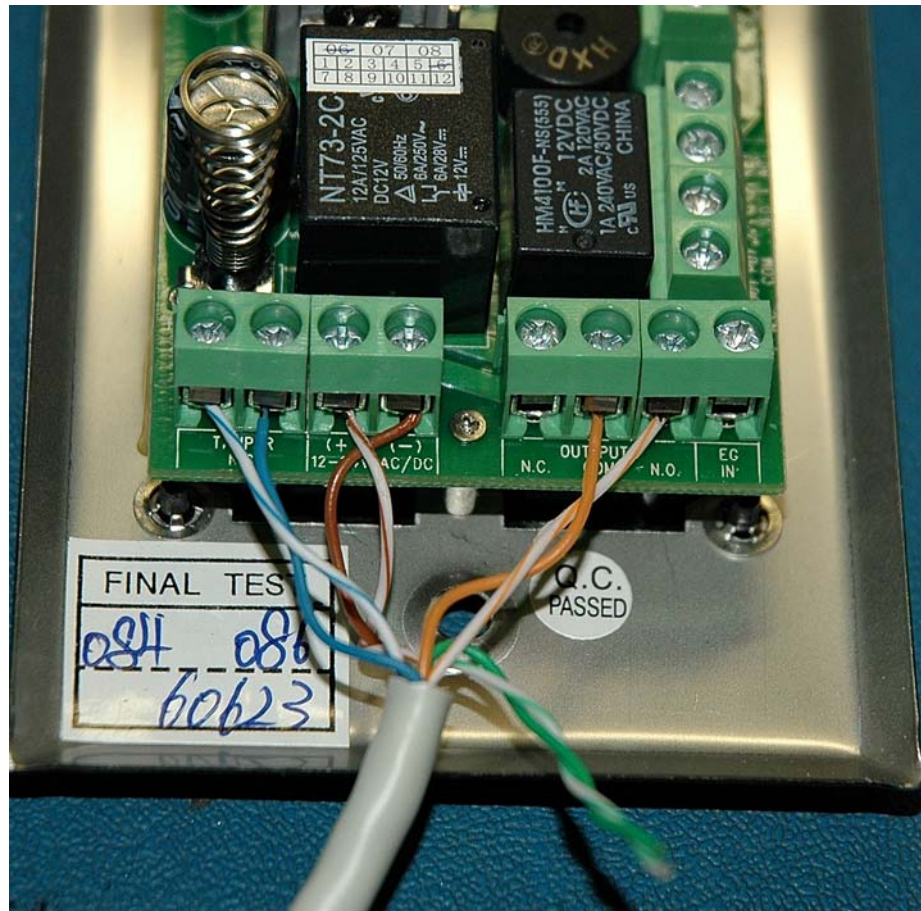
DIGITAL IN 1 is set to open OUTPUT RELAY 1 when it receives a signal (circuit open when tampered with) OUTPUT RELAY 1 is set to a N.C. state.

Electric Strike (ENVIROMUX-EDR-SCR or ENVIROMUX-EDR-SF) must be connected to DIGITAL IN 8.

Photo Gallery of an Installation







ENVIROMUX-ACK wired to CAT5 patch cable.
Green and white green are not used.



The two-wire cable connects to the ENVIROMMUX- EDR-SCR

Warranty Information

The warranty period on this product (parts and labor) is two (2) years from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at <http://www.networktechinc.com> for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.

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CHANGES

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