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ENVIROMUX[®] Series

Wiring Instruction For:

E-RKS REMOTE STATION KEYPAD E-ACK(-V2)(P) SERIES DIGITAL KEYPAD E-EDR-SF FAIL SAFE STRIKE E-EDR-SCR-P FAIL SECURE STRIKE

The ENVIROMUX devices listed above are intended for connection to an NTI E-16D/5D/2D or an E-MINI-LXO (SYSTEM). For additional instruction on their proper use and operation, see any manuals that came with them and the manual provided with your SYSTEM.

Wiring instruction for connection to these SYSTEMs can be found below and on the pages that follow.

For the purposes of these illustrations, the "Keypad" can be either the E-RKS or E-ACK(-V2).

Wiring Connections for E-16D



Schematic for wiring Keypad to RJ45 Socket



DIGITAL IN 8 can be set to switch the Output Relay contact to normally open when receiving a signal, opening the strike. DIGITAL IN 7 can switch back to normally-closed, locking the strike.

Keypad and Electric Strike (E-EDR-SF) <u>must</u> be connected to DIGITAL IN 8, or external power supply.

In the wiring example above, using an Output Relay and with the ENVIROMUX properly configured, tampering with the keypad would automatically lock the Strike and only the administrator would be able to unlock it by either acknowledging the alert or by manually changing the Output Relay state in the web interface. The only other way to power OFF the strike would be to power OFF the ENVIROMUX and wait for the backup battery to fully discharge.

New Sensor Configuration

Example of possible sensor configuration settings for Output 1 connection at Digital Input

Digital Input Settings			
Description	Keypad Descriptive name for the digital input		
Normal Status	Open		
Refresh Rate	20 Sec ▼ The refresh rate at which the digital input view is updated		
State Open	Door Secure Descriptive name for open state		
State Close	Door Open Descriptive name for close state		
🗄 Group Settings			
∃ Schedule Settings			
Alert Settings			
Disable Alerts	Disable alert notifications for this digital input		
Alert Delay	1 Sec Duration the digital input must be out of normal status before alert is generated		
Notify Again Time	30 Min ▼ Time after which alert notifications will be sent again		
Notify on return to normal	Send a notification when this digital input returns to normal status		
Auto acknowledge	Automatically acknowledge alert when digital input returns to normal status		
Enable Syslog Alerts	Send alerts for this digital input via syslog		
Enable SNMP Traps	Send alerts for this digital input via SNMP traps		
	Send alerts for this digital input via e-mail		
E-mail Subject	Clean Room Access Initiated Subject of e-mails sent for alerts		
Select IP Camera	None Available Select IP camera for image capture on alert		
Attach IP camera capture to e-mail	Attach captured image from selected IP camera to alert e-mail		
Save image to USB	Save captured image from selected IP camera to USB Flash		
Enable SMS Alerts	Send alerts for this digital input via SMS		
Send custom SMS	Replace standard SMS with a customized message		
Customized SMS	Clean Room has been accessed. Customized SMS message sent for alerts		
Enable Siren	Turn on the siren when digital input goes to alert		
Enable Beacon	Turn on the beacon when digital input goes to alert		
Associated Output Relay	E-16D-S1 Output Relay 1 Name of the output relay that can be controlled by this digital input		
Output Relay status on alert	Active ▼ Status of the output relay when going to alert		
Output Relay status on return from alert	Inactive Status of the output relay when returning from alert		
Change Global Alert Status	No Alert Changes 🗸		

Digital Input Configuration

Example of possible sensor configuration settings for Tamper connection at Digital Input

Digital Input Settings			
Description	Cleanroom Keypad Tar Descriptive name for the digital input		
Normal Status	Open Select the normal status for the digital input 		
Refresh Rate	5 Sec ▼ The refresh rate at which the digital input view is updated		
State Open	Normal Descriptive name for open state		
State Close	Breach Descriptive name for close state		
Group Settings			
Schedule Settings			
Alert Settings			
Disable Alerts	Disable alert notifications for this digital input		
Alert Delay	1 Sec ▼ Duration the digital input must be out of normal status before alert is g	jenerated	
Notify Again Time	10 Min ▼ Time after which alert notifications will be sent again		
Notify on return to normal	Send a notification when this digital input returns to normal status	If you remove the default checkmark from Auto	
Auto acknowledge	Automatically acknowledge alert when digital input returns to normal st		
Enable Syslog Alerts	Send alerts for this digital input via syslog	keypad control over the str the strike will not deactivat until the alert is acknowled	
Enable SNMP Traps	Send alerts for this digital input via SNMP traps	by the administrator.	
Enable E-mail Alerts	Send alerts for this digital input via e-mail		
E-mail Subject	Clean Room Keypad Cover Off Subject of e-mails sent for alerts		
Select IP Camera	None Available Select IP camera for image capture on alert		
Attach IP camera capture to e-mail	Attach captured image from selected IP camera to alert e-mail		
Save image to USB	Save captured image from selected IP camera to USB Flash		
Enable SMS Alerts	Send alerts for this digital input via SMS		
Send custom SMS	Replace standard SMS with a customized message		
Customized SMS	Clean Room keypad unathorized Access Customized SMS message sent for alerts		
Enable Siren	Turn on the siren when digital input goes to alert	You will need to Disable the Relay Interlock (under Administration-System- Other Options) in order to associate the same output relay with two	
Enable Beacon	Turn on the beacon when digital input goes to alert		
Associated Output Relay	E-16D-S1 Output Relay 1 Name of the output relay that can be controlled by this digital input	sensors.	
Output Relay status on alert	Inactive Status of the output relay when going to alert 	Otherwise, you can wire to have a second output relay break the circuit when the	
Output Relay status on	Active	keypad tamper switch closes.	

isable Relay Interlock			
	Check the box to allow relays to be controlled by multiple alerts		
/e			
ave			

Wiring Connections for E-MINI-LXO/ E-2D / E-5D

The E-MINI-LXO, E-2D and E-5D will also provide sensing and switching functions for the E-RKS,E-ACK(-V2), E-EDR-SF, or E-EDR-SCR-P.

An example of how these components can be connected can be seen here. When sold for use with the E-MINI-LXO, E-2D or E-5D, the model numbers include a "P" and are shipped with a 12V power supply.



Schematic for wiring Keypad to E-5D Digital Inputs



Schematic for wiring Keypad to E-MINI-LXO or E-2D Digital Inputs

Wiring Connections for other ENVIROMUX Keypads

E-ACK(R)



00

TAMPER N.C

++12V AUX 500mA PWR Max.

OUTPUT

00 Ð 2

IN

E-ACKR-WDB

E-5D Wiring



E-ACK-VWS



E-ACK-VWT



To use RJ45 Sensor sockets to connect a keypad for using the Enable/Disable Global Alerts feature, two RJ45 Sensors sockets will be needed. Two keycodes on the keypad for two different sensor configurations. First code will effect Output 1, second to effect Output 2. (See "Using Enable/Disable Global Alerts Feature" in E-xD Manual)





NOTE: Power Connections on E-ACKR are 12VDC only.

Device	Current Draw		
	(mA@12VDC)		
E-ACK	75		
E-ACK-V2	140		
E-ACKR	150		
E-ACKR-WDB	150		
E-ACK-VWS	95		
E-ACK-VWT	100		
E-EDR-SCR-P	450		
E-EDR-SF	200		

Power Consumption

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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