ES8900-N0 Wiring Diagram

24 VDC
3 Amp
Power Supply
Sold Separately

***

Card Reader ****

Card Reader ****

Lane 1

Entry Side

Lane cable

Exit Side

Network
Supplied By Others

Network cable

Lane Cable:
1 Per Lane = CAT 5
Network Cable:
1 Per Lane = CAT 5

*Input **

Emergency

*

Fire
Panel

*Input **
Entry Card

*Input **
Exit Card

*Input **
Invalid Card

*Input **
Reset/Bypass

*Input **
Entry Closed

*Input **
Exit Closed

*Input **
Panel Disable

*Input **
Free Exit

*Input **
Free Entry

*Output **
Alarm

*Output **
Alarm

*Output **
Entry Passage

*Output **
EntryTime Out

*Output **
Exit Passage

*Output **
ExitTime Out

*Output **
Bypass

*Output **
Panel Forced

*Output **
Invalid Card

Access Control
Supplied By Others

Wire Gauge:

22 AWG = Signal wires
18 AWG = Power wires (Up to 30 feet)
16 AWG = Power wires (31 to 57 feet)
14 AWG = Power wires (58 to 92 feet)

Number of Wires:

* *2 conductor 22AWG*
** *2 conductor 18 AWG*
*** *2 conductor 18, 16, 14, AWG*
**** *4 to 8 conductor 22AWG*

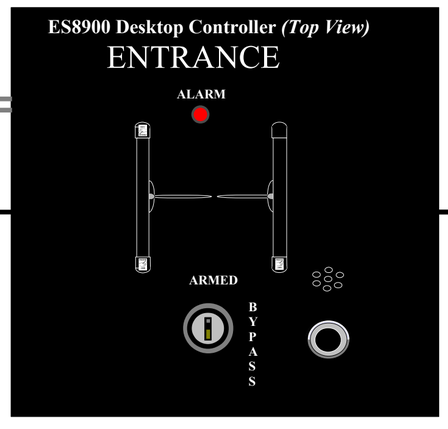
12 VDC
150mA
Power Supply
Sold Separately

**

Global Alarm Relay
N/O dry contact.
500ma @30VDC

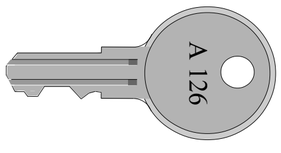
*Output **

Desktop Controller
Sold Separately



*Input **
Alarm Lane 1

*Output **
Bypass Lane 1



K6 Key *(Side View)*

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