ACP-2N

Cobra Controls™

2 door TCP/IP Access Control Panel:
2 doors / 4 readers, traffic: 2 doors in and out or 2 doors in

Features:
- Stand-alone or online with PC (TCP/IP)
- Includes Cobra's .NET access control management software (No extra cost)
- Unlimited expansion of control panels and doors on same system
- (2) relay outputs for door control
- ***12VDC 2 AMP Linear Power Supply in locking metal enclosure with outputs for control panel and electronic locks included***
- Individual request to exit RTE inputs for each door
- Individual door sensor/monitoring inputs for each door
- Optional ACP-1x4 1 emergency unlock input, 4 output module independent relays with adjustable settings. Input is emergency interface programmed to unlock all doors upon signal. 4 outputs are individually programmable in software for monitoring duress, invalid card reads, door propped, and door forced events.
- Anti-pass back capabilities - one door in/out, two doors in/out at each, or two doors inA/outB
- Interlocking feature built in -easily programmable in software with mouse click
- **Industry standard 26 bit Wiegand** interface to work with any combination of Card readers, keypads, fingerprint reader, bar-code reader, etc with Wiegand output.
- Real time monitoring through software for alarms, duress, invalid card reads, door propped, and door forced events.
- Storage capacity: 20,000 users and 100,000 events
- Built-in webpage allows for remote release on any PC on the same LAN (password protected). iPhone and Android application available as well.

The *Cobra Controls 2 Door Controller* is designed for today's access control needs within an IT environment. TCP/IP capability is included in all of the ACP-N series controllers. Cobra's controllers use NON PROPRIETARY readers and inputs based on the industry standard Wiegand format. With our Cobra .NET based software you can connect an unlimited number of 1, 2, and 4 door controllers to one system. The controllers automatically adjust bandwidth consumption based on demand of the existing network.

Each ACP-N series control panel is capable of expansion of 1 emergency unlock input and 4 outputs fully programmable within the Cobra .NET access control software suite via the optional ACP-1x4 Expander Module. These are in addition to the included request to exit inputs and door status monitor inputs on each of the ACP series control panels - one for each door on the control panel.
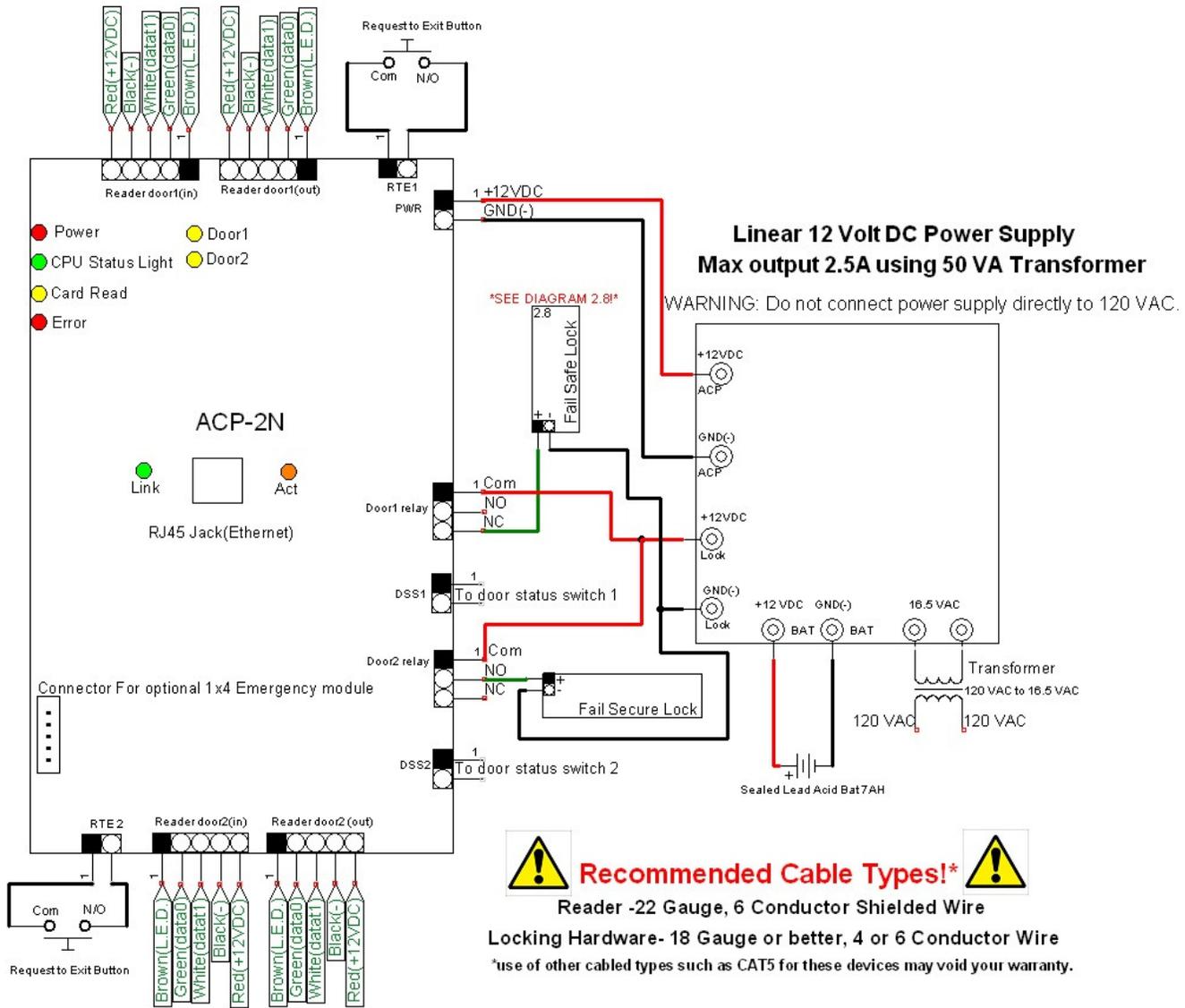
COBRA CONTROLS

ACP-2N

Circuit board layout with power supply outputs. (Power supply and locking metal enclosure included)

Red(+12VDC)
Black(-)
White(data1)
Green(data0)
Brown(L.E.D.)

Red(+12VDC)
Black(-)
White(data1)
Green(data0)
Brown(L.E.D.)

Request to Exit Button
Com   N/O

Reader door1(in)   Reader door1(out)

RTE1
PWR

1 +12VDC
GND(-)

Power   Door1
CPU Status Light   Door2
Card Read
Error

SEE DIAGRAM 2.8!
2.8
Fail Safe Lock

Linear 12 Volt DC Power Supply
Max output 2.5A using 50 VA Transformer

WARNING: Do not connect power supply directly to 120 VAC.

+12VDC
ACP

GND(-)
ACP

ACP-2N

Link   Act

RJ45 Jack(Ethernet)

Door1 relay
1 Com
NO
NC

+12VDC
Lock

DSS1   To door status switch 1

GND(-)
Lock

Door2 relay
1 Com
NO
NC

Fail Secure Lock

+12 VDC   GND(-)   16.5 VAC
BAT   BAT

Transformer
120 VAC to 16.5 VAC

120 VAC   120 VAC

Connector For optional 1x4 Emergency module

DSS2   To door status switch 2

Sealed Lead Acid Bat 7AH

RTE 2   Reader door2(in)   Reader door2(out)

Com   N/O

Request to Exit Button

Brown(L.E.D.)
Green(data0)
White(data1)
Black(-)
Red(+12VDC)

Brown(L.E.D.)
Green(data0)
White(data1)
Black(-)
Red(+12VDC)

⚠ **Recommended Cable Types!*** ⚠

Reader -22 Gauge, 6 Conductor Shielded Wire
Locking Hardware- 18 Gauge or better, 4 or 6 Conductor Wire
*use of other cabled types such as CAT5 for these devices may void your warranty.

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