

NOTE: NO EARTH POINTS
CABLE SCREENS ONLY

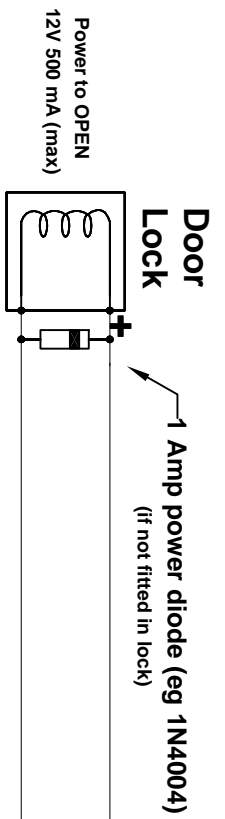
DC390 PCB

- 1 RS232 Communication Port
- 2 RS232 - RS485 Jumper
- 3 EPROM
- 4 Processor
- 5 Mode Jumpers
 - A = Communications Mode
 - RS485 on RS232 off
 - B= Initialising Jumper
 - C = Speed Jumper RS485 41000 on 9600 off
 - D = TDI 8bit input
- 6 Door Lock Power Jumper
- 7 Aux Relay Power Jumper
- 8 Door Lock Fuse
- 9 Power Input 16 VAC
- 10 Main Fuse
- 11 Battery Charger Trip pot
- 12 Auxillary 12 VDC Fuse
- 13 Backup Battery (3V Lithium)

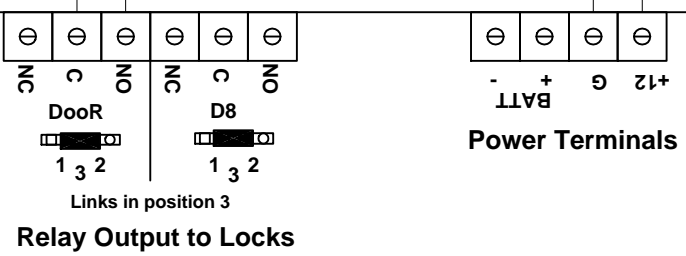
Commissioners Name:
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Project Sheet		Drawing No:		Drawn By:		Checked By:	
ACCESS CONTROL SYSTEM		SPH-107		PJC		RS	
Door Controller							
Sheet No:	1	of	5	Rev	A	Description	Date
						Initial Release	08/10/2003

May be replaced with a relay
for high voltage applications

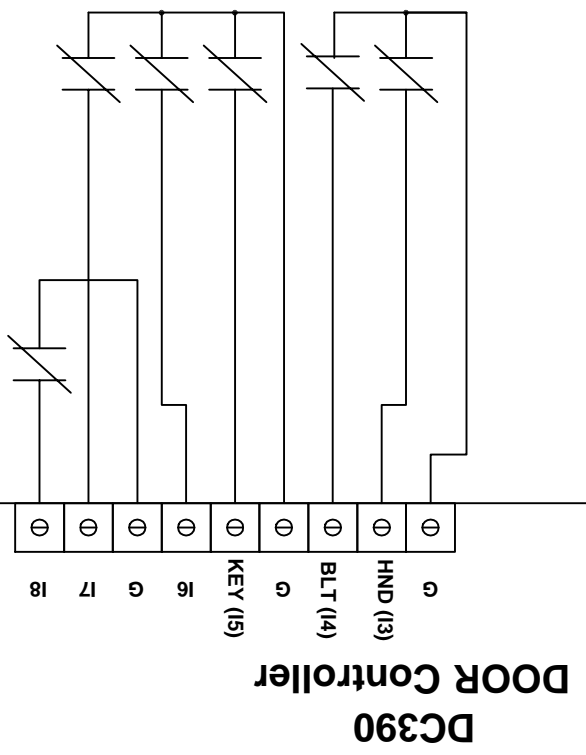


D8 wired similarly
for second door applications



INPUT	NAME	FUNCTION (can be GP inputs)
DI-3	HANDLE	Handle status
DI-4	BOLT	Shows whether the door is actually shut from latch bolt or reed switch
DI-5	KEY	Key status Used to open door continually
DI-6	EXIT 1	Used to open the primary door from inside
DI-7	EXIT 2	Used to open the second door from inside (if allocated)
DI-8	TAMPER	Used for anti-tamper detection on equipment cubicle

NOTE: The above functions are allocated to maintain a standard interface but can be used for applications if required.

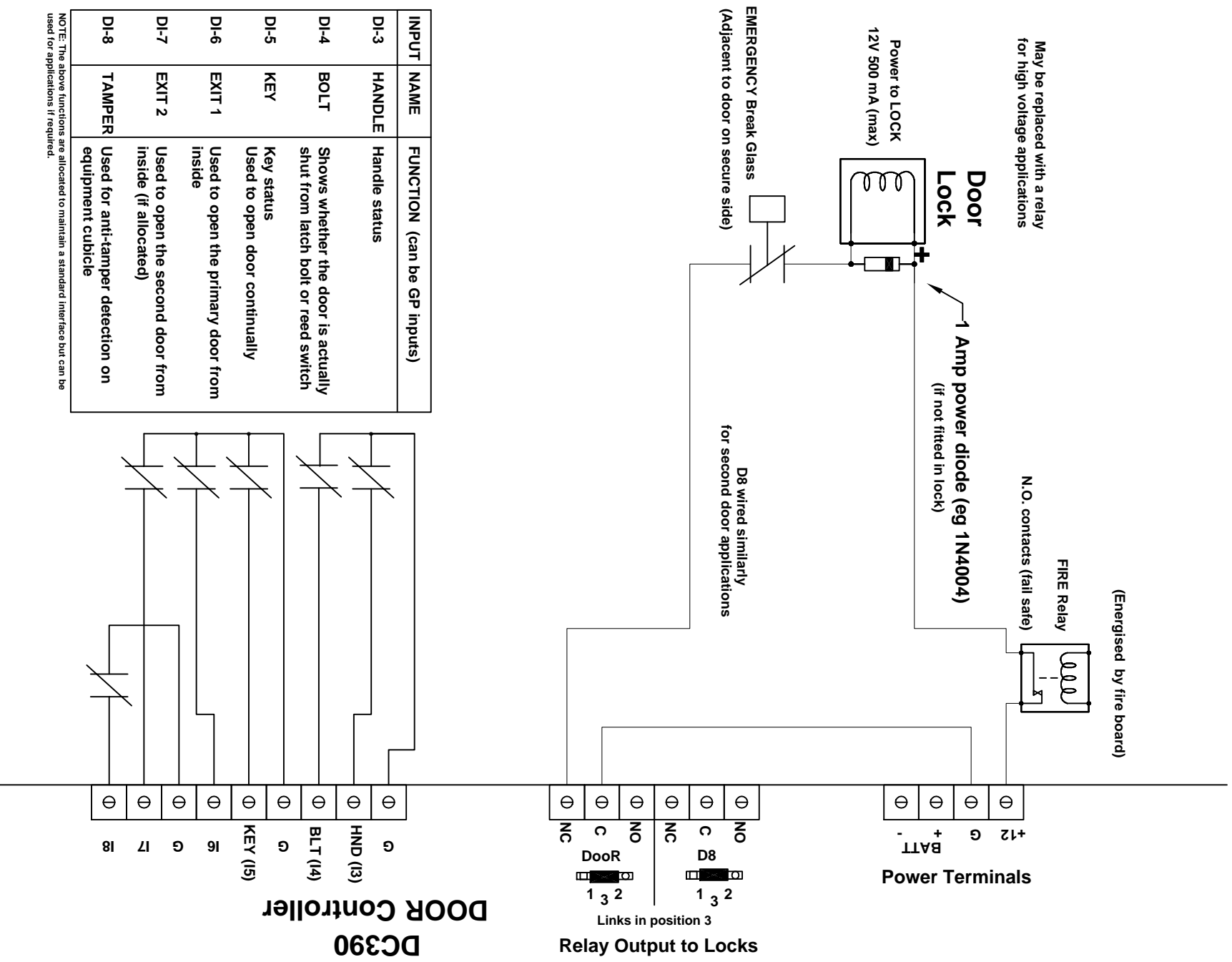


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Project: **ACCESS CONTROL SYSTEM**
Sheet: **Door Wiring - Power to OPEN**
Sheet No: 2 of 5
Drawing No: SPH-107
Drawn By: PJC
Checked By: RS

Rev	Description	Date
A	Initial Release	08/10/2003



Commissioner's Name:

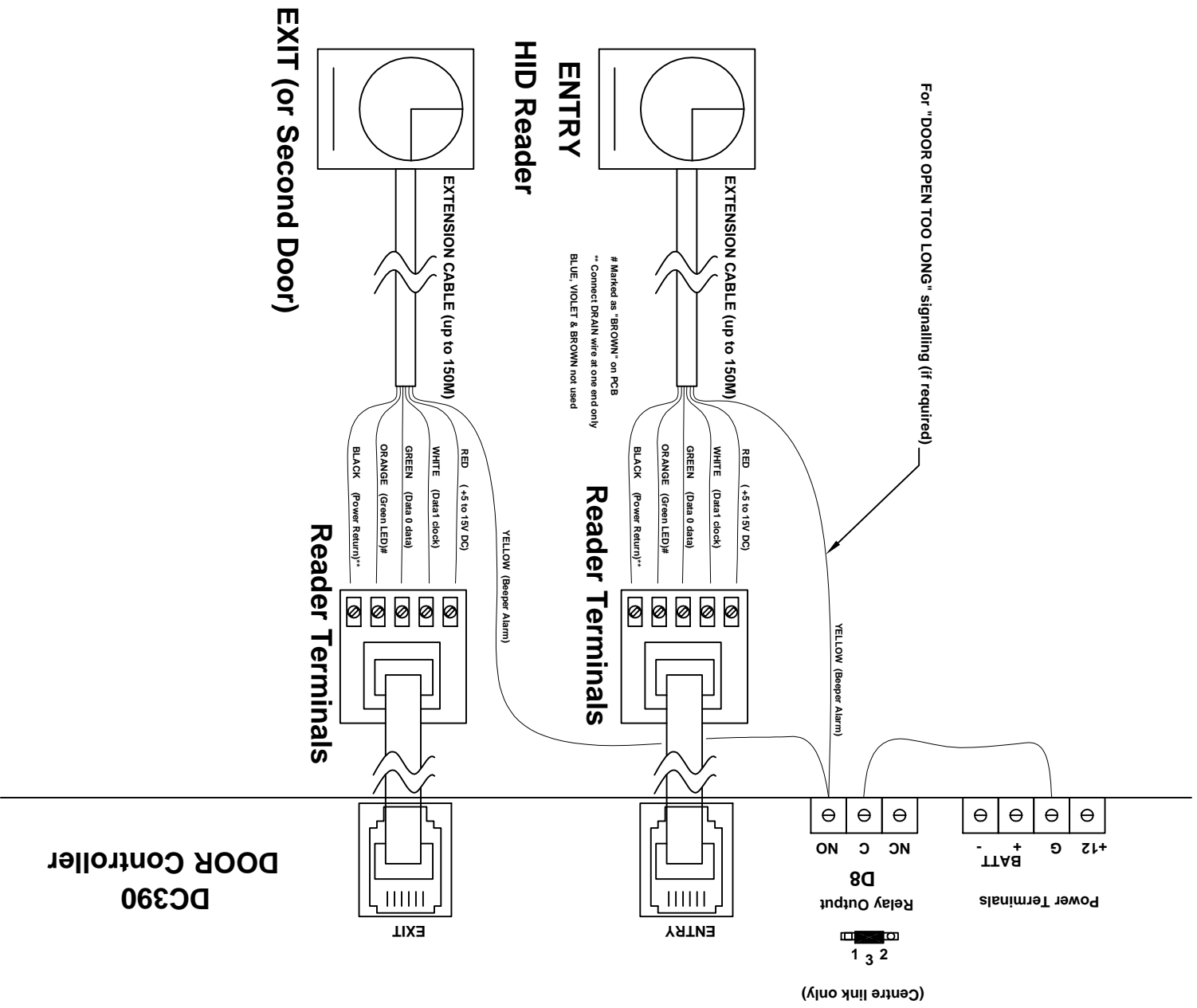
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Project: **ACCESS CONTROL SYSTEM**
 Sheet No: 3 of 5
 Drawing No: SPH-107
 Drawn By: PJC
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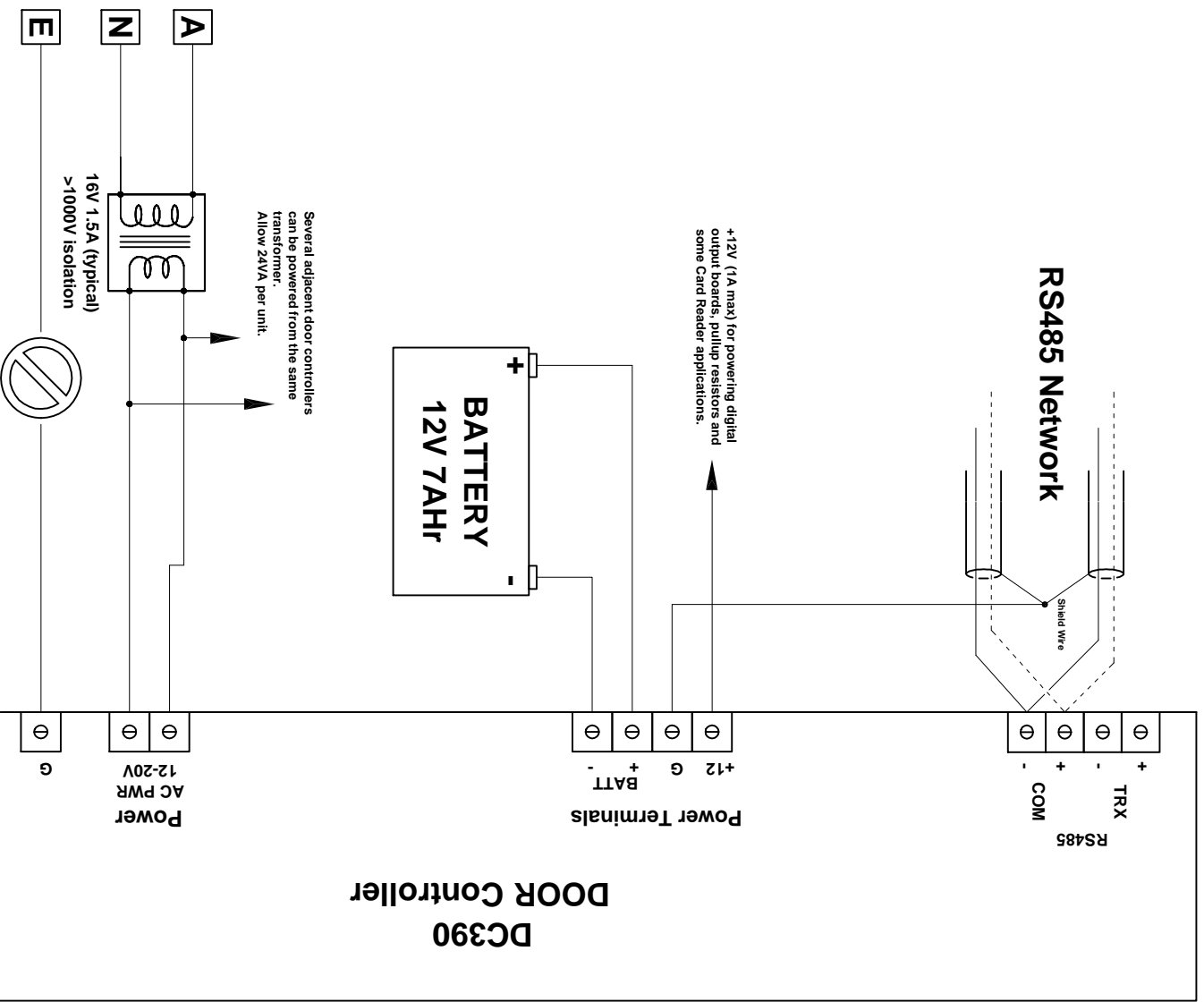
Project: **ACCESS CONTROL SYSTEM**
 Sheet: **Card Reader Wiring**
 Sheet No: 4 of 5
 Drawing No: SPH-107
 Drawn By: PJC
 Checked By: RS

Rev	Description	Date
A	Initial Release	08/10/2003

NETWORK cable integrity is essential for fast intercommunication.
 The SHIELD is the source of PROTECTIVE GROUND for the whole network.

The cable:

- MUST be specified for RS485. (Nominal Impedance 120 Ohm)
- MUST be a consistent twisted pair (When in multi-pair configuration)
- MUST have polarity maintained
- MUST have shield wire continuous and connected to "G" on each controller.
- MUST be connected to mains EARTH at the network controller ONLY (DP11 and PC)
- MUST be wired serially between controllers with NO BRANCHES
- MUST be terminated at each end with 120 Ohm resistors



+12V (1A max) for powering digital output boards, pullup resistors and some Card Reader applications.

Several adjacent door controllers can be powered from the same transformer. Allow 24VA per unit.

DO NOT CONNECT TO LOCAL EARTH !!

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Project: **ACCESS CONTROL SYSTEM**
 Sheet: **Powering & RS485 Network**
 Sheet No: 5 of 5
 Drawing No: SPH-107
 Drawn By: PJC
 Checked By: RS

Rev	Description	Date
A	Initial Release	08/10/2003