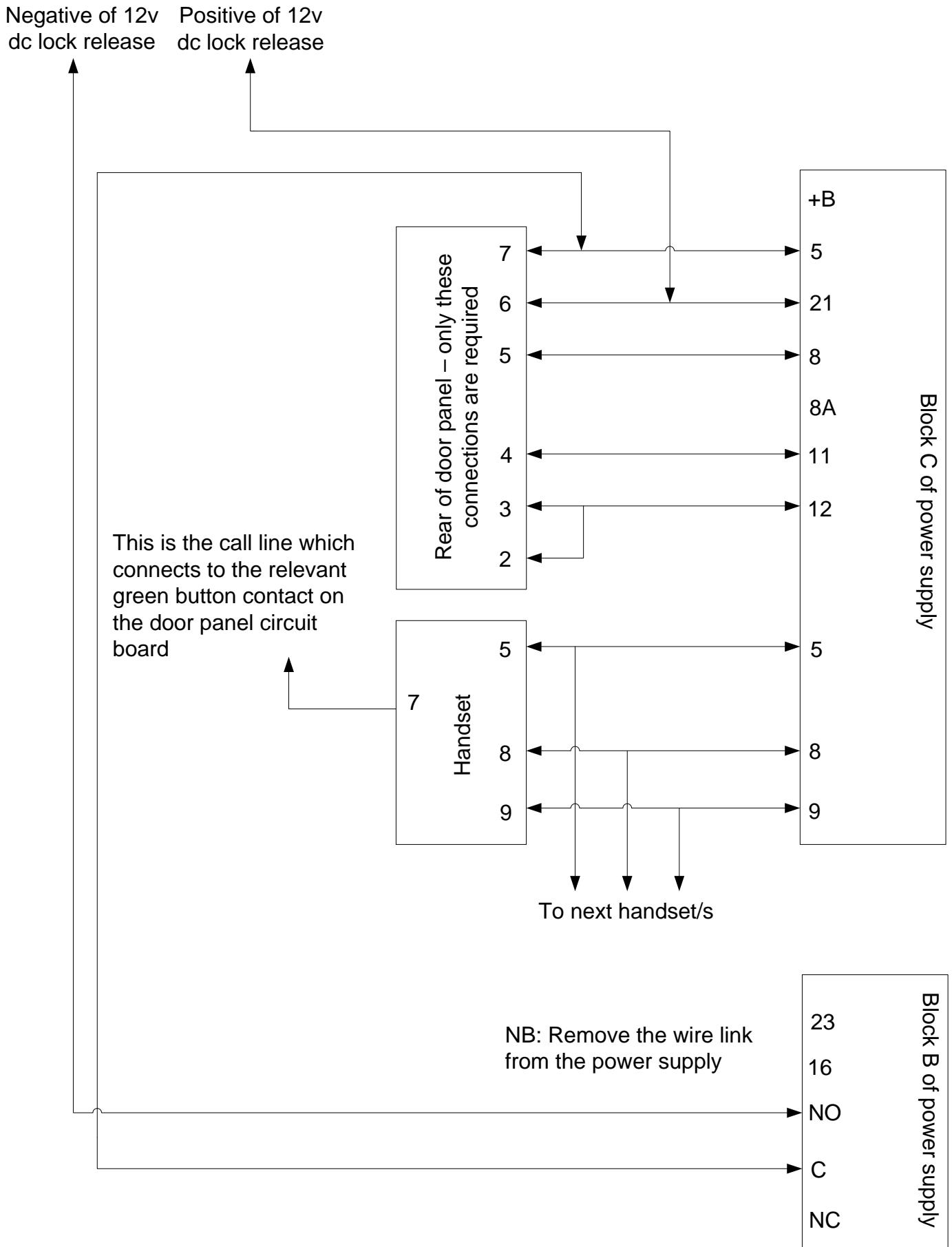
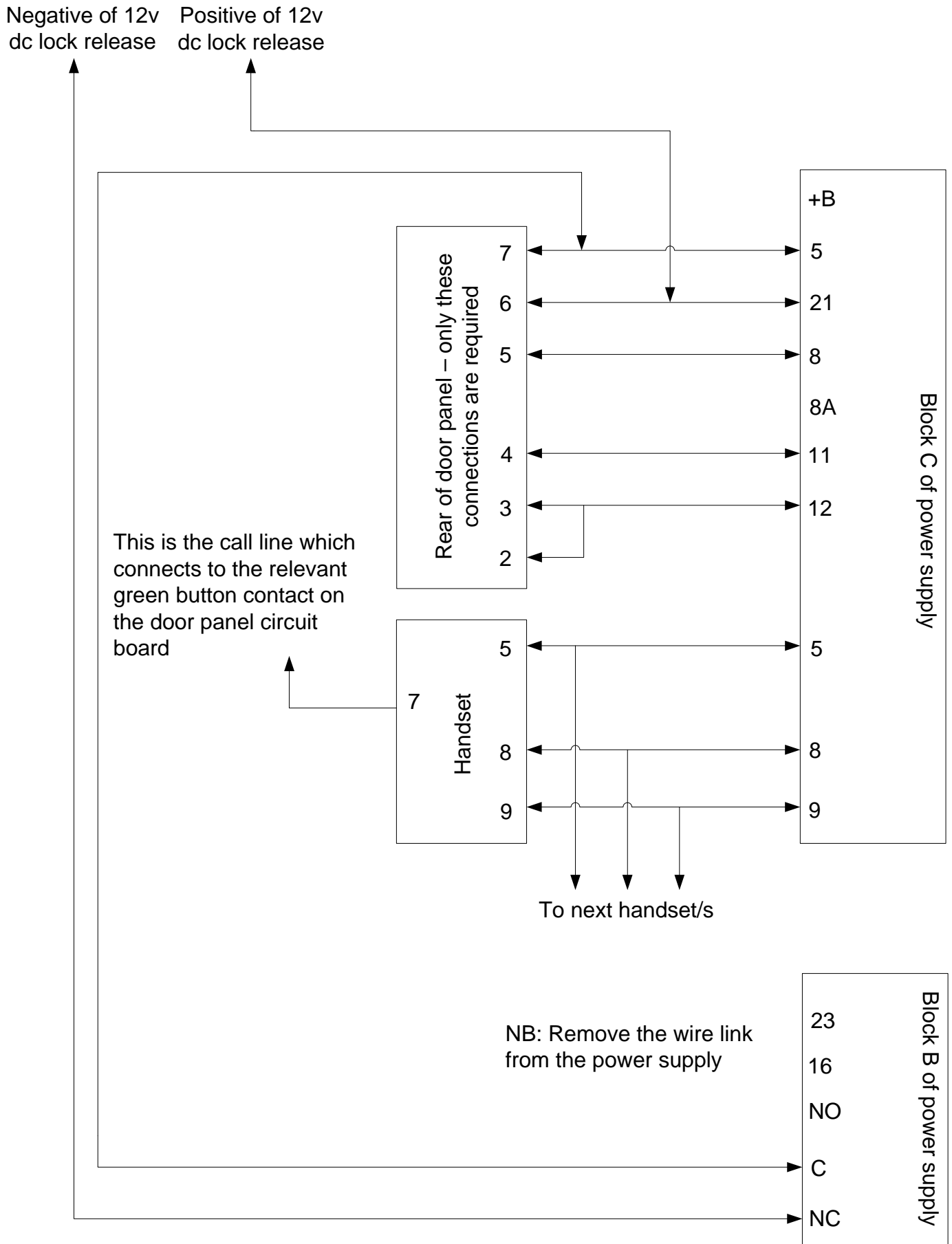


AV1-14 system using a fail secure M1-Lock release

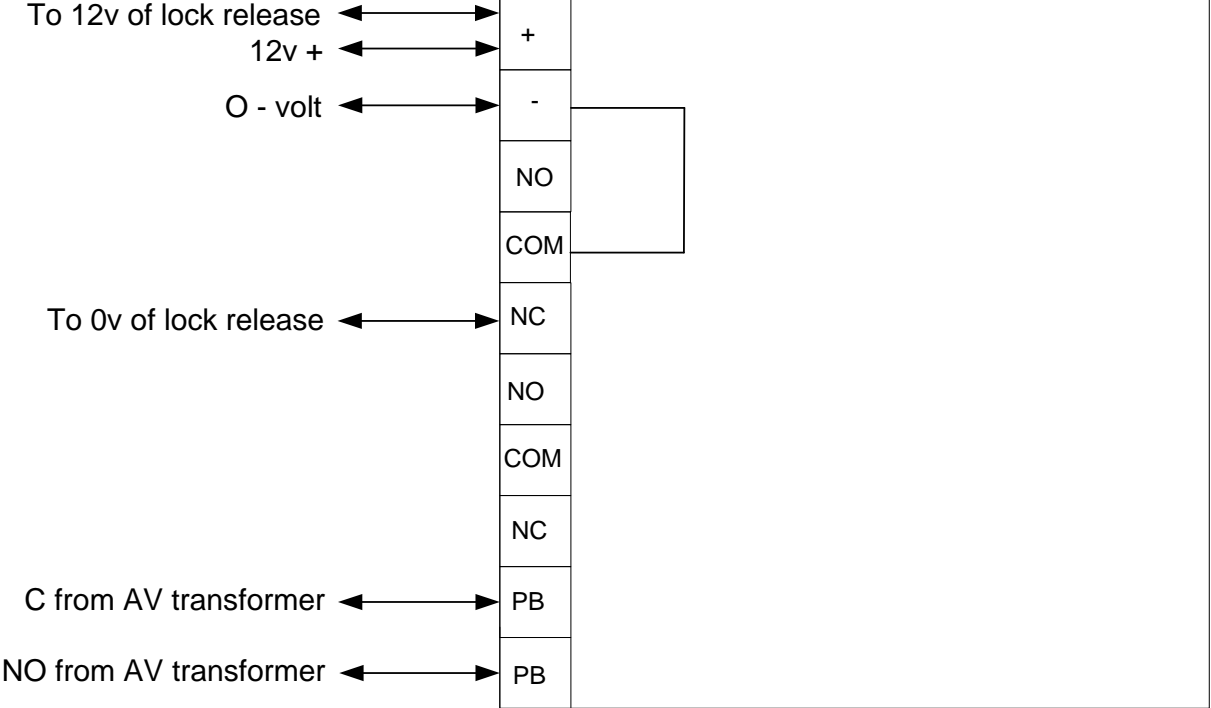


AV1-14 system using a fail safe M1U-Lock release



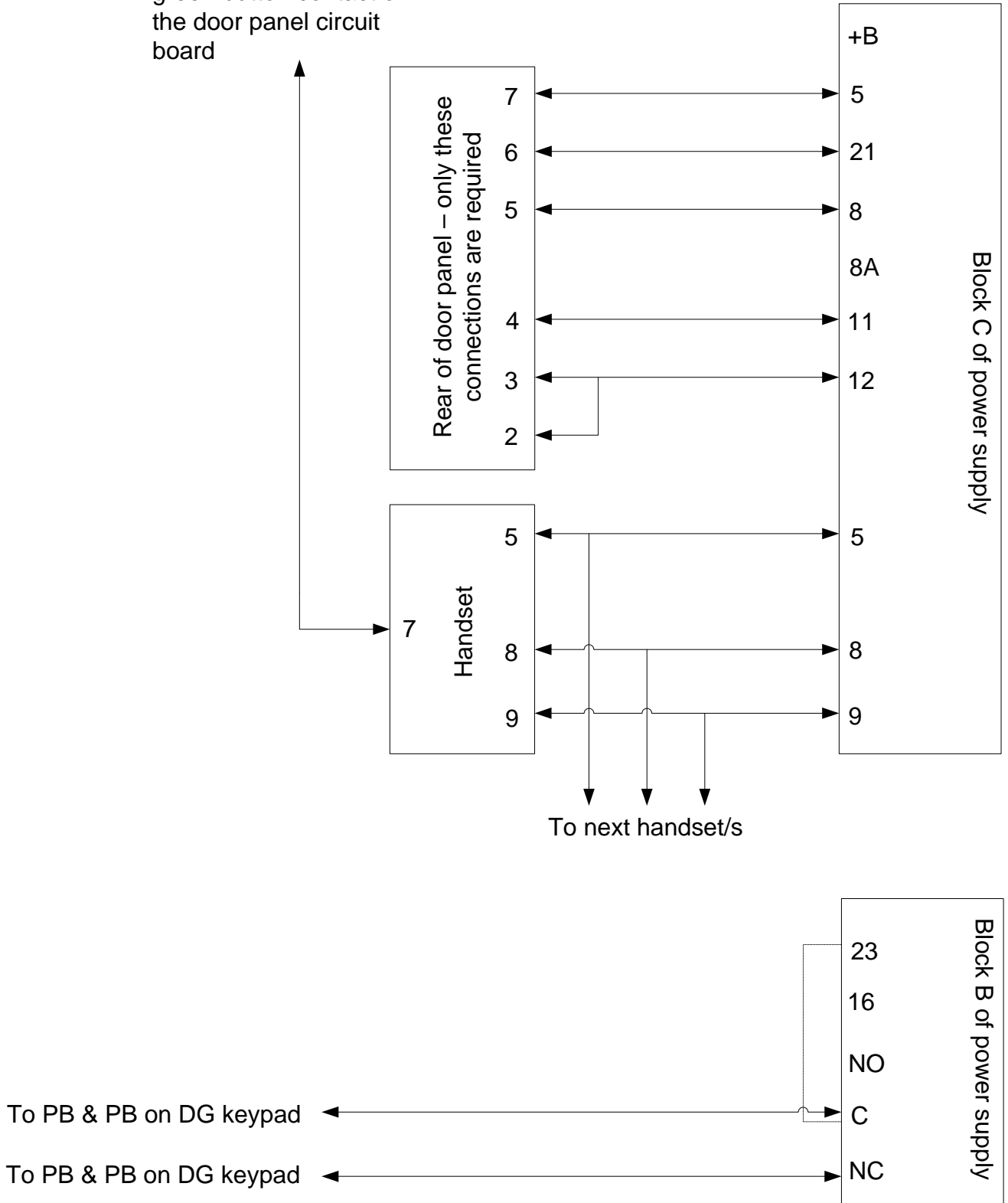
DG15 Keypad to AV1-14 Door Entry System with fail secure lock release

Use relay 1



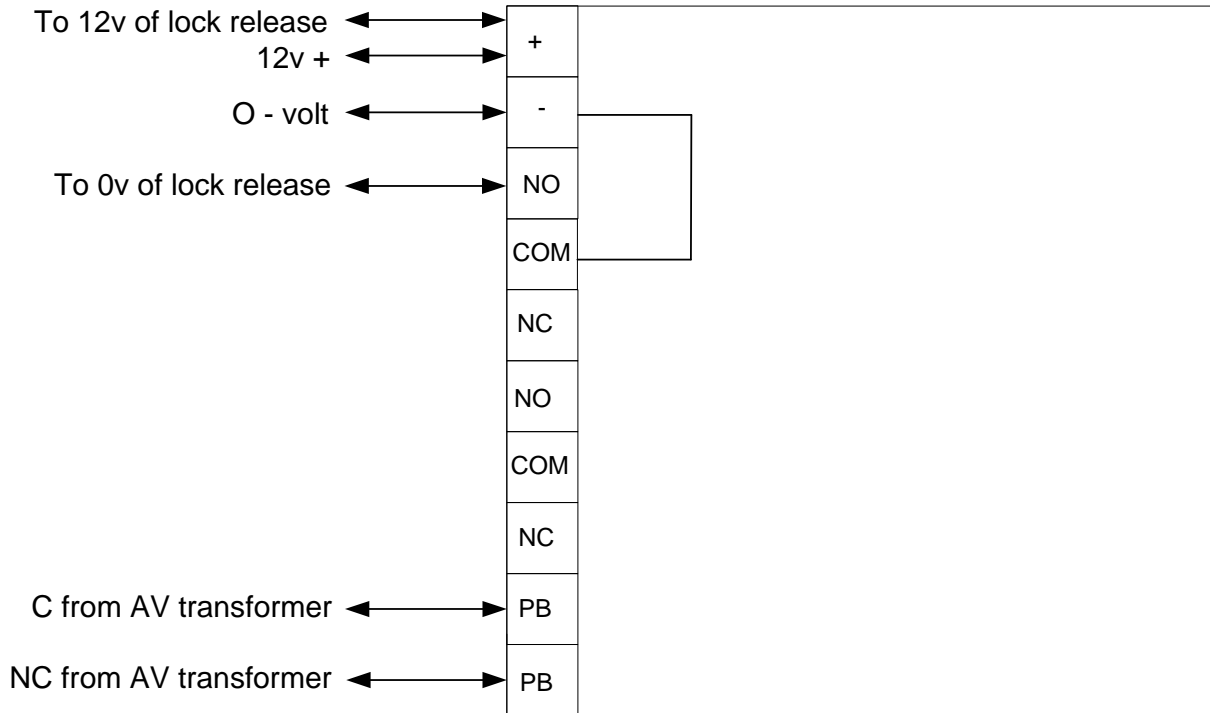
AV1-14 system with DG keypad with fail safe lock release

This is the call line which connects to the relevant green button contact on the door panel circuit board



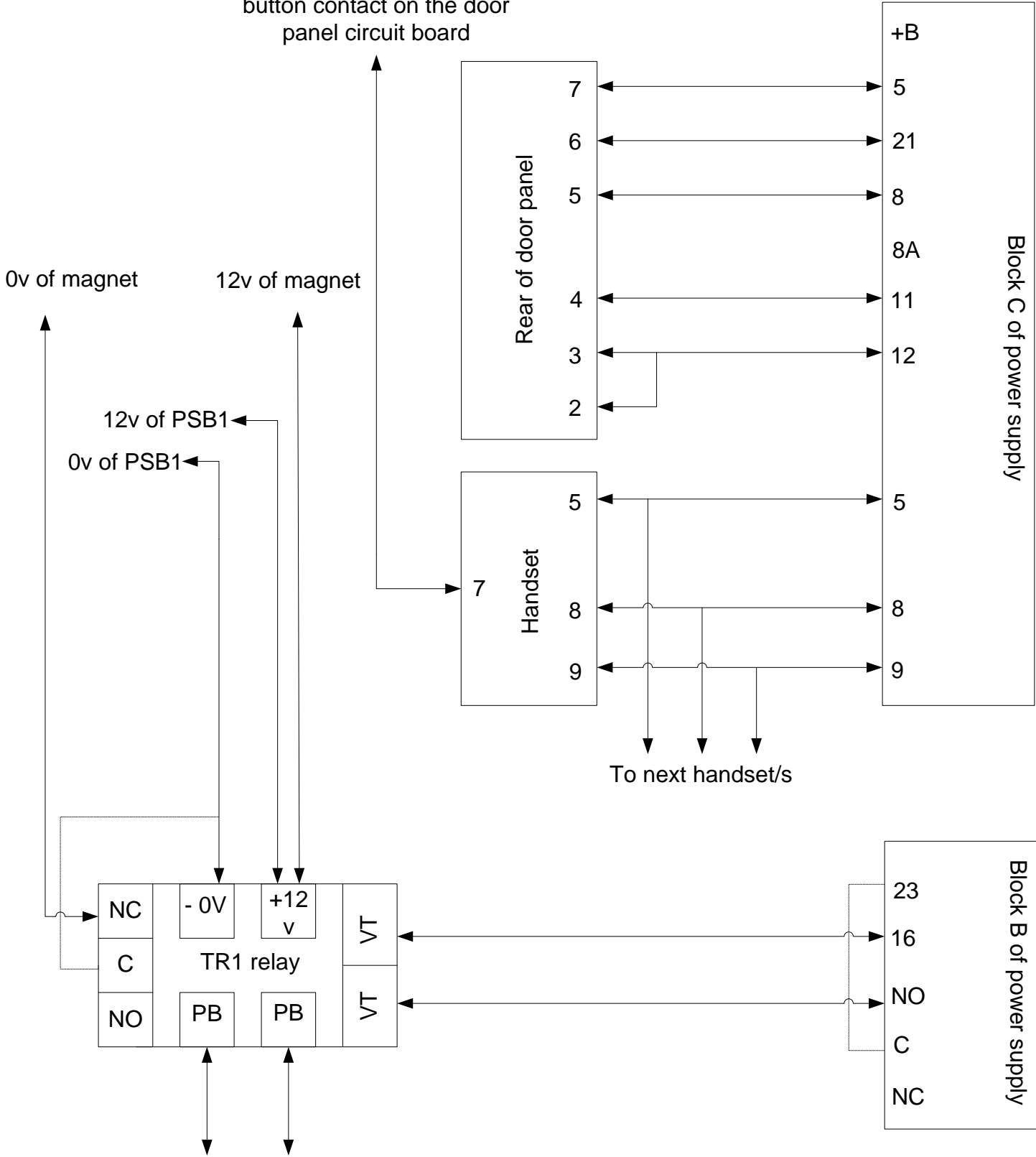
DG15 Keypad to AV1-14 Door Entry System with fail safe lock release

Use relay 1



AV1-14 system with magnetic lock, additional PSU & timer board relay

This is the call line which connects to the relevant button contact on the door panel circuit board



The PB connections = 'Push Button' so any auxiliary device such as a digital keypad or exit button etc can be connected to here to activate the locking device

Troubleshooting for AV1-AV14 Audio Door Entry System

The details below are tests on the A/005 transformer unless stated otherwise. If the measurement readings below are not found then please disconnect the wiring and test again. Please check voltages on the connection terminals directly and NOT the screw heads

We strongly advise that you connect a single handset on a short piece of cable and connect this directly to the A/005 transformer to eliminate incorrect connections and/or cable faults

Fault – Nothing working

- 1) check for 240v ac input
- 2) check for 11v dc between B5 & B21
- 3) check for 14v ac between B16 & B23
- 4) if checks 2 & 3 do not work then disconnect the 240v ac and leave for 1 minute then re-test

No call to handset

- 1) check for 11v dc between B5 & B8
- 2) check for 11v dc between 7 & 5 on the door panel
- 3) check for 4v dc between B5 & terminal 7 on the handset (when the handset is called)
- 4) if check 3 = 12v dc then check the continuity of the call line 7 from handset to door panel button, between 5 & 7 in the handset you should have 22-45ohms when the phone is ON the hook (cradle switch engaged)

No audio to handset

- 1) check the volume level on the speech amplifier is not at minimum
- 2) check for 11v dc between B5 & B21
- 3) check that a link is placed between 2 & 3 on the door panel
- 4) check between 4 & 7 in the door panel = 22-45ohms with handset OFF the hook (if not then check continuity of the cable)

No audio to the door panel

- 1) check the volume level on the speech amplifier is not at minimum
- 2) check for 11v dc between C5 & C9 with handset ON hook
- 3) check for 6v dc between C5 & C9 with handset OFF hook (if no change then check continuity of C9 to the handset)
- 4) check continuity of B12 to 3 on the door panel

No door release

- 1) check for 11v dc between C5 & C9 with handset ON hook
- 2) momentarily short circuit C5 & C9 as this should energise the relay contacts on the A/005 transformer
- 3) check for 12v ac – 18v ac between B23 & B16
- 4) press the door open button on the handset and check for 0v between C5 & C9, if no change then check continuity of C9 to handset

Troubleshooting for AV1F-AV4F Audio Door Entry System

The details below are tests on the A/005 transformer unless stated otherwise. If the measurement readings below are not found then please disconnect the wiring and test again. Please check voltages on the connection terminals directly and NOT the screw heads

We strongly advise that you connect a single handset on a short piece of cable and connect this directly to the A/005 transformer to eliminate incorrect connections and/or cable faults

Fault – Nothing working

- 1) check for 240v ac input
- 2) check for 11v dc between B5 & B21
- 3) check for 14v ac between B16 & B23
- 4) if checks 2 & 3 do not work then disconnect the 240v ac and leave for 1 minute then re-test

No call to handset

- 1) check for 11v dc between B5 & B8
- 2) check for 11v dc between 5 & 8 on the door panel
- 3) check for 4v dc between B5 & terminal 7 on the handset (when the handset is called)
- 4) if check 3 = 12v dc then check the continuity of the call line 7 from handset to door panel button, between 5 & 7 in the handset you should have 22-45ohms when the phone is ON the hook (cradle switch engaged)

No audio to handset

- 1) check the volume level on the speech amplifier is not at minimum
- 2) check for 11v dc between B5 & B21
- 3) check that a link is placed between 12 & 14 on the door panel
- 4) check between 5 & 11 in the door panel = 22-45ohms with handset OFF the hook (if not then check continuity of the cable)

No audio to the door panel

- 1) check the volume level on the speech amplifier is not at minimum
- 2) check for 11v dc between C5 & C9 with handset ON hook
- 3) check for 6v dc between C5 & C9 with handset OFF hook (if no change then check continuity of C9 to the handset)
- 4) check continuity of B12 to 12 on the door panel

No door release

- 1) check for 11v dc between C5 & C9 with handset ON hook
- 2) momentarily short circuit C5 & C9 as this should energise the relay contacts on the A/005 transformer
- 3) check for 12v ac – 18v ac between B23 & B16
- 4) press the door open button on the handset and check for 0v between C5 & C9, if no change then check continuity of C9 to handset