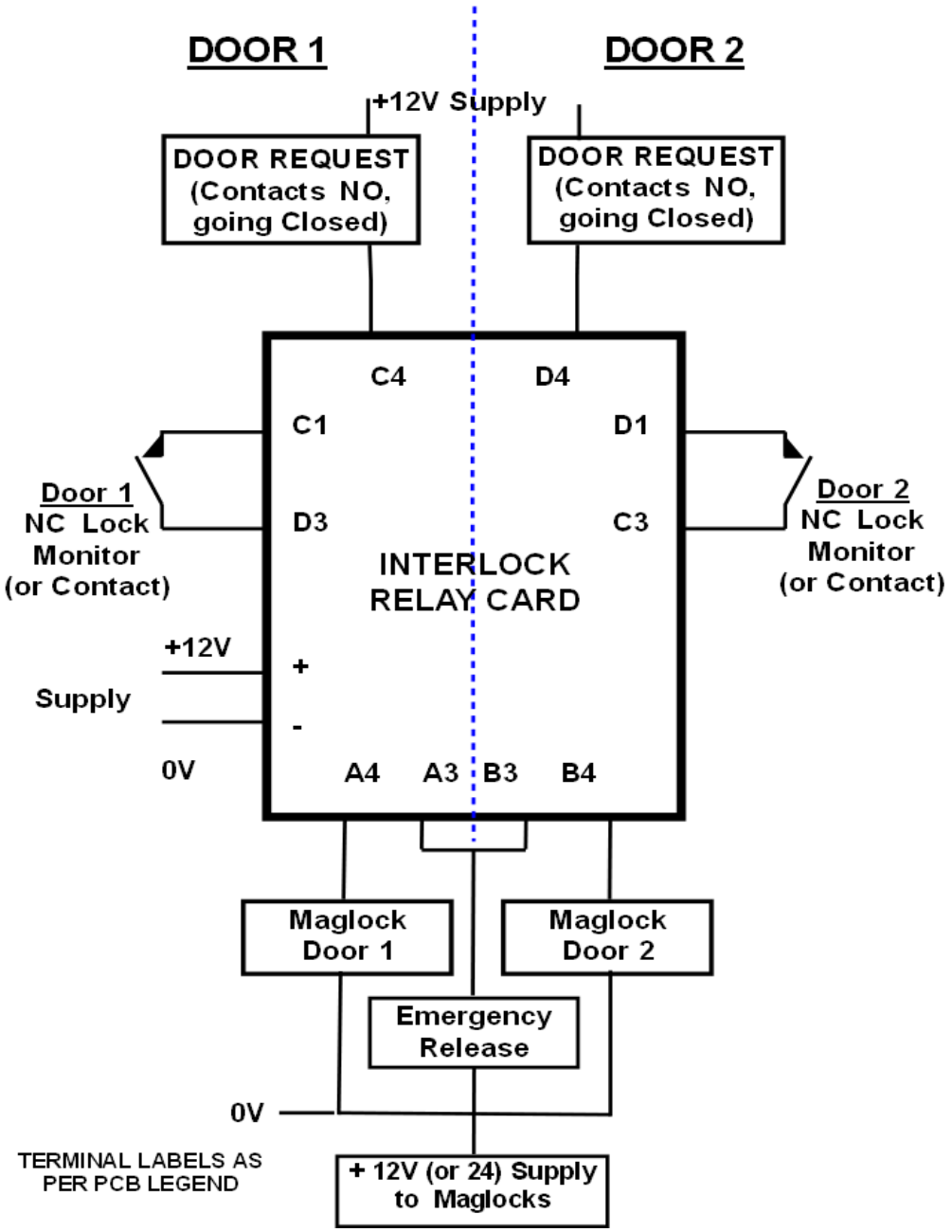
WIRING DIAGRAM FOR DA550
2 - DOOR INTERLOCK CARDS



DA550 2 DOOR INTERLOCK

A basic interlock unit for two doors (an airlock).

SPECIFICATION
SUPPLY 12V DC @ 10mA standby, 50mA when released.
SIZE 120mmw x 205mmh x 65mmd.

INPUTS (for each door)

1. Request to open - NOTE: Release time set by your controller
   Normally open, volt free contact, closing for request to open. Can be a push button or the 'GO' signal of a card reader.

2. Door and/or lock monitor.
   Normally closed volt free contact from other door, contact closed when secure, open when not secure to inhibit opening of this door.

OUTPUTS (for each door)
One set of volt free change over contacts, to operate the door release. Rated at 30v, 1/2A.
Door release time: 5 to 10 seconds (DA550T ONLY).

CONNECTIONS

A Button Request between +12v and terminal C4. Normally Open : +12v for release.

B Button Request between +12v and terminal D4. Normally Open : +12v for release.

A Door Monitor between terminals D3 and C1. Closed when secure.

B Door Monitor between terminals C3 and D1. Closed when secure.

DO NOT USE TERMINALS A2,B2 AS THESE ARE INTERNAL CONNECTIONS.

DOOR A RELEASE IS WIRED THROUGH TERM. A3 AND A4 (NORMALLY CLOSED CONTACT)

DOOR B RELEASE IS WIRED THROUGH TERM B3 AND B4 (NORMALLY CLOSED CONTACT)

OPERATION
Example. The button for door A is pressed. Control for door B is tested. If not released, then monitor for door B is tested. If secure, contacts for door A are operated for time set by your controller. During this time a signal prevents B from operating. While door A is open the monitor also prevents B from operating. Door B cannot be released until door A release times out and door A is secure.

There is no 'door forced' output.

A timed version is available if push buttons are used instead of a controller.
Please ask for details.