MR52
Address XX

Door 1 DPS - NC — IN1
IN1
Door 1 REX - NO — IN2
IN2
Door 2 DPS - NC — IN3
IN3
Door 2 REX - NO — IN4
IN4

IN5
IN5
IN6
IN6

IN7
IN7
IN8
IN8

Tie to any enclosure tamper not
monitored by EP controller. — TMP
Jumper Closed if not used. — GND
Tie to any power supply fault indicator — PFL
not monitored by EP controller. — GND
Jumper Closed if not used.

V0 — Red
LED — Orange
BZR — Yellow   Door 1
D1 — White   Card
D0 — Green   Reader
GND — Black

V0 — Red
LED — Orange
BZR — Yellow   Door 2
D1 — White   Card
D0 — Green   Reader
GND — Black

Switches
1-5 Address
6-8 Baud Rate

1NC — Red
1C — Black   Door 1 Lock
1N0   Control - To LSP
2NC   Lock Power
2C   Distributor
2N0

3NC — White
3C — Green   Door 2 Lock
3N0   Control - To LSP
4NC   Lock Power
4C   Distributor
4N0

5NC
5C
5N0
6NC
6C
6N0

Reader
12 VDC

RS485
2W

RS485 – 22/2 STP - from
prior controller in Daisy
Chain to next.

TR+
TR-
R+
R-
GND

RS485
Termination
Open

12/24V Board Power from
LSP Power Distribution
Module

Vin

GND

120-2500

Drawing - MR52 Wiring Rev 02.vsd | Scale: 1:1

Description: Typical wiring example for the MR52 using
BluB0X recommended standard reader, input and
output assignments to support two doors.

Path
Filename
n   C:\BluB0X\Typicals\Mercury Board Wiring\MR52\
         MR52 Wiring Rev 02.vsd

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