

ED900 PAIR OF DOORS: SOLENOID ELECTRIC LATCH RETRACTION 9100 ES EXIT DEVICES x PS501 POWER SUPPLY x ES105 POWER TRANSFERS x CARD READER x HARD WIRED ACTUATORS

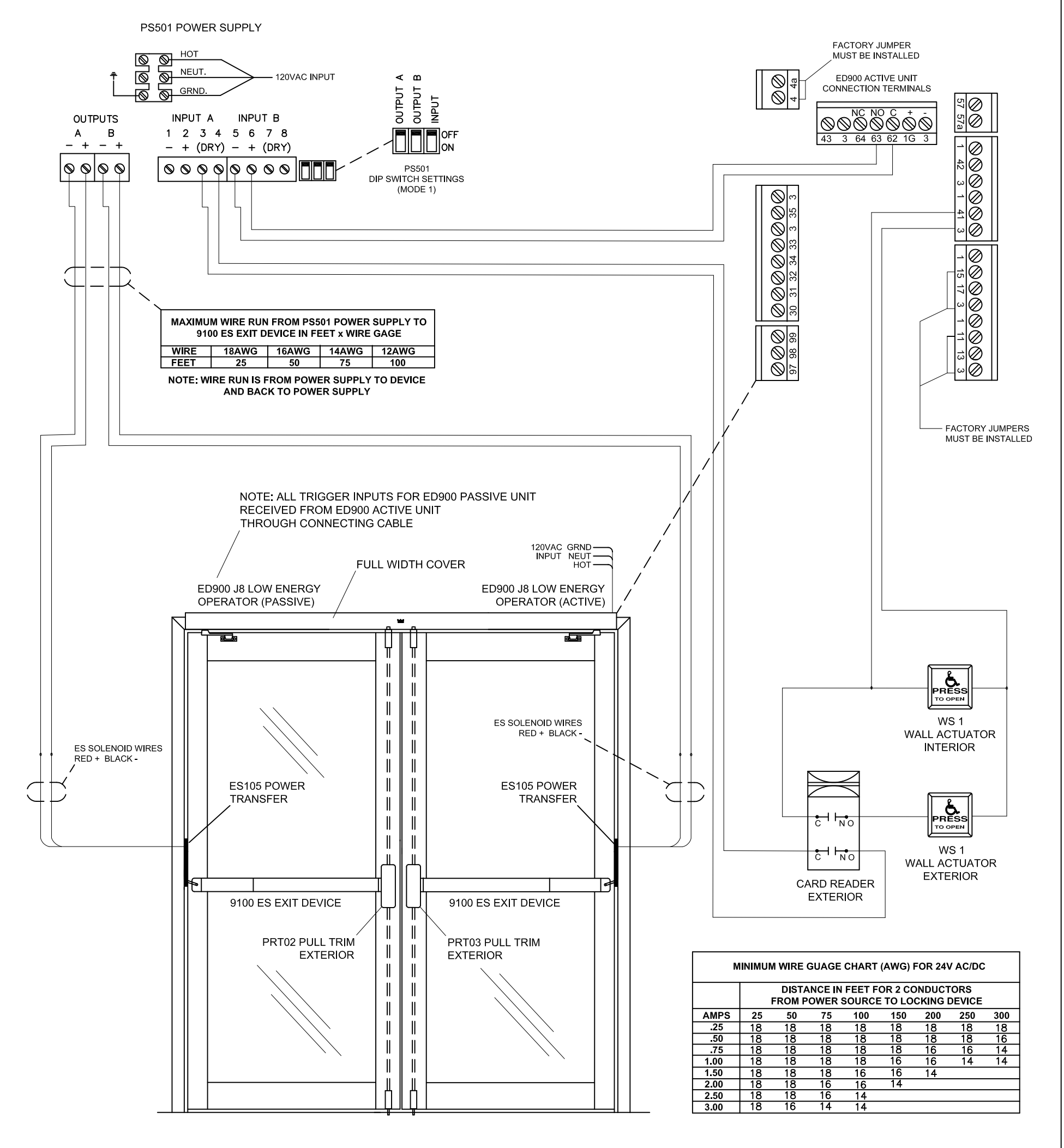
OPERATION: Doors normally closed and locked. Authorized entrance by presenting valid card at exterior Card Reader which triggers the PS501 Power Supply to retract latch bolts of both 9100 ES Exit Devices and enables exterior WS-1 Wall Actuator. Pedestrian then has the option of power assisted entrance by depressing exterior WS-1 Wall Actuator which triggers the ED900 Low Energy Operators to open both doors or manual entrance by PRT02 or PRT03 Pull Trim. Authorized entrance also possible through active door by key retracting latch bolts of 9100 MLR Exit Device and PRT03 Pull Trim by-passing solenoid latch retraction. Trim is locked when key is removed securing door when closed. Power assisted egress by depressing interior WS-1 Wall Actuator which signals the ED900 Low Energy Operator to trigger the PS501 Power Supply to retract latch bolts of both 9100 ES Exit Devices. After delay time (field set on ED900) the ED900 Low Energy Operators open both doors. Manual egress by depressing touch bar of either 9100 ES Exit Device.

LOSS OF POWER CONDITION: ED900 Low Energy Operators and PS501 Power Supply are disabled allowing doors to close releasing latch bolts of both 9100 ES Exit Devices securing doors when closed. Authorized entrance through active door by key retracting latch bolts of 9100 MLR Exit Device and PRT03 Pull Trim by-passing solenoid latch retraction. Trim is locked when key is removed securing door when closed. Egress by depressing touch bar of either 9100 ES Exit Device.

NOTES: 1) All wiring and interface between EAC components and ED900 Low Energy Operators to be determined and supplied by others.
2) All settings for ED900 Low Energy Operators to be determined and set in field by others.
3) Card Reader N.O. relay closure times to be determined and set in field by others.

PARTS LIST:

- | | |
|---|--------------------------------------|
| 1 EA. - ED900 PR J8 FWPRS Low Energy Operator: 115 VAC +/- 10% 50/60 Hz, 6.6 A max. (INCLUDES (2) ED900 J8 UNITS) (DORMA) | 2 EA. - ES105 Power Transfer (DORMA) |
| 1 EA. - 9100 ES Exit Device x PRT03 Pull Trim (DORMA) | 2 EA. - WS 1 Wall Actuator (DORMA) |
| 1 EA. - 9100 ES Exit Device x PRT02 Pull Trim (DORMA) | 1 EA. - Card Reader (BY OTHERS) |
| 1 EA. - PS 501 Power Supply 24VDC, Inrush: 14-18 A for .20 seconds, 2 A holding current, per zone (DORMA) | |



NOTE: This wiring diagram is provided to assist in interfacing DORMA USA products into the system described above. Compatibility and functionality of components not supplied by DORMA are not guaranteed. Component failure resulting from improper wiring is not covered by warranty. Refer to individual device product information sheets and installation instructions for wire gauge sizes and additional information.

DORMA USA
REAMSTOWN, PENNSYLVANIA 17567
DIAGRAM No. 900-WD193

