

ED900 PAIR OF DOORS: MOTORIZED ELECTRIC LATCH RETRACTION 9100 MLR EXIT DEVICES x ES105 POWER TRANSFERS x CARD READER x HARD WIRED ACTUATORS

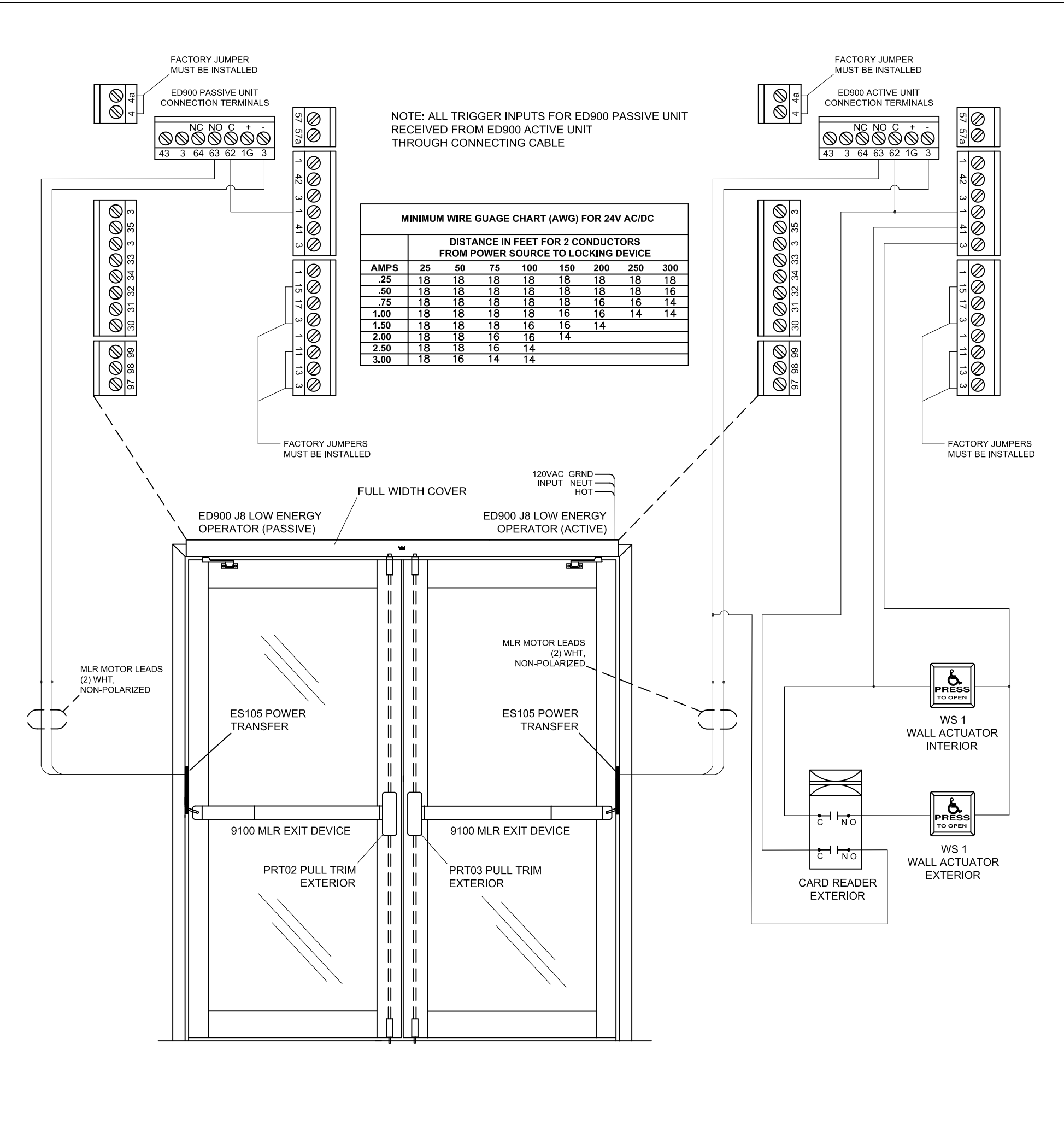
OPERATION: Doors normally closed and locked. Authorized entrance by presenting valid card at exterior Card Reader which energizes motor of active door 9100 MLR Exit Device retracting latch bolts and enables exterior WS-1 Wall Actuator. Pedestrian then has the option of power assisted entrance by depressing exterior WS-1 Wall Actuator which triggers the ED900 Low Energy Operators to open both doors or manual entrance through active door by 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 motorized 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 Operators to energize motor of both 9100 MLR Exit Devices retracting latch bolts. After delay time (field set on ED900) the ED900 Low Energy Operators open both doors. Manual egress by depressing touch bar of either 9100 MLR Exit Device to retract latch bolts.

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

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)
- 1 EA. - 9100 MLR Exit Device, .88 A @ 24VDC x PRT03 Pull Trim (DORMA)
- 1 EA. - 9100 MLR Exit Device, .88 A @ 24VDC x PRT02 Pull Trim (DORMA)
- 2 EA. - ES105 Power Transfer (DORMA)
- 2 EA. - WS 1 Wall Actuator (DORMA)
- 1 EA. - Card Reader (BY OTHERS)



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.

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DIAGRAM No. 900-WD192

