

ED900 SINGLE DOOR VESTIBULE, SIMULTANEOUS OPERATION: SOLENOID ELECTRIC LATCH RETRACTION x TDM RELAY x CARD READER x HARD WIRED ACTUATORS

OPERATION: Exterior door is locked and secured. Authorized entrance by presenting valid card at exterior Card Reader which triggers the PS501 Power Supply to retract latch bolt of 9300 ES Exit Device 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 both ED900 Low Energy Operators to open both exterior and vestibule doors simultaneously. Authorized entrance is also possible by key unlocking YR08 Lever Trim and depressing lever to retract latch bolt of 9300 ES Exit Device by-passing electric latch retraction. 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 bolt of 9300 ES Exit Device. After delay time (field set on ED900) both ED900 Low Energy Operators open both exterior and vestibule doors simultaneously. Manual egress by depressing touch bar of 9300 Exit Device and 9036 Dummy Exit Device..

LOSS OF POWER CONDITION: ED900 Low Energy Operators and PS501 Power Supply are disabled allowing doors to close releasing latch bolt of 9300 ES Exit Device securing exterior door when closed. Authorized entrance by key unlocking YR08 Lever Trim and depressing lever to retract latch bolt of 9300 ES Exit Device. YR08 Lever Trim remains unlocked until re-locked with key. Egress by depressing touch bar of 9300 ES Exit Device and 9036 Dummy Exit Device.

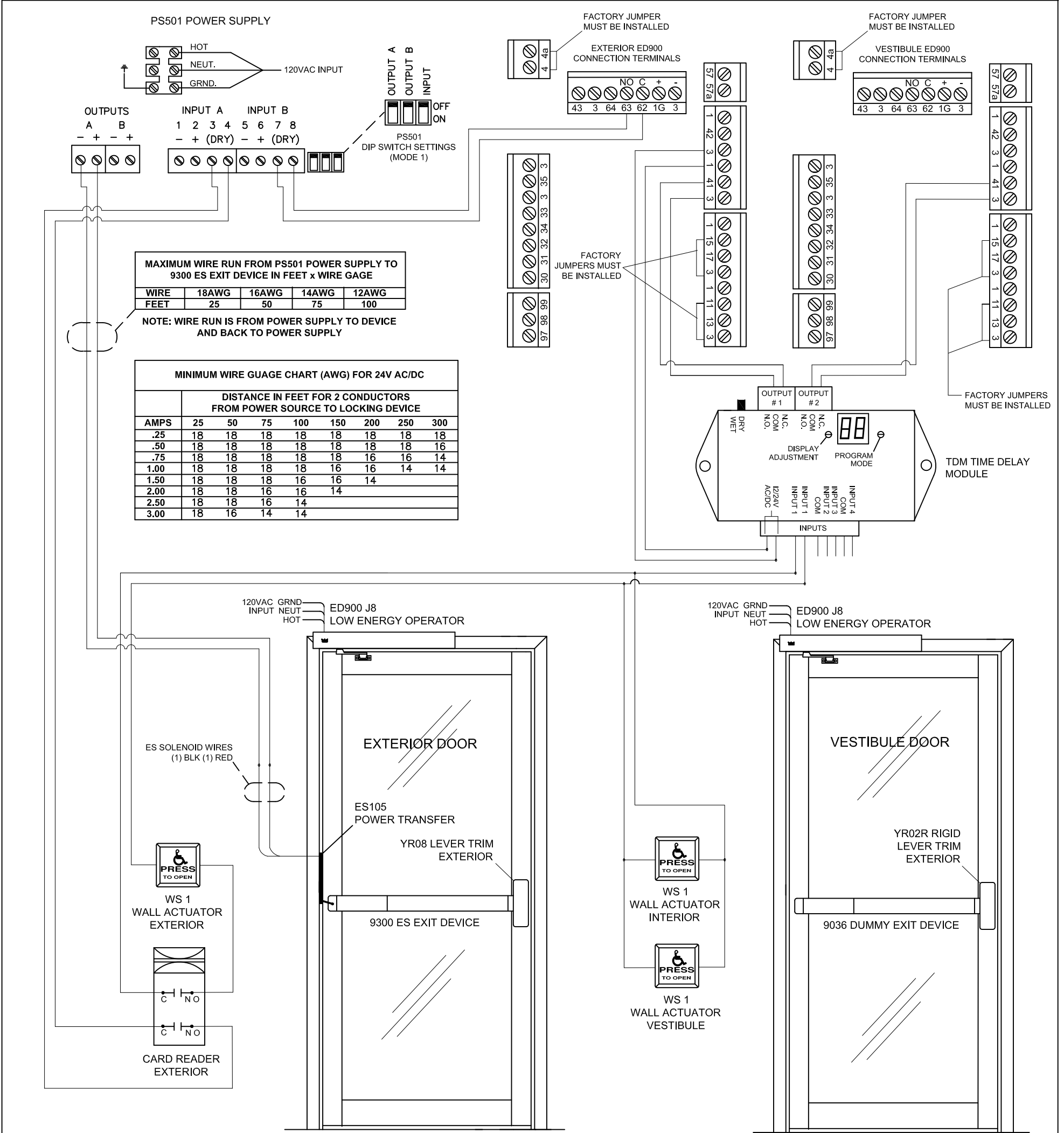
NOTES: 1) All wiring and interface between EAC components and both ED900 Low Energy Operators to be determined and supplied by others.

2) All settings for ED900 Low Energy Operator to be determined and set in field by others.

3) TDM Relay output #1 to be set for 0 second delay and output #2 to be set for 1 second delay

PARTS LIST:

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| 2 EA. - ED900 J8 Low Energy Operator, 115 V AC +/- 10% 50/60 Hz, 6.6 A max. (DORMA) | 1 EA. - ES105 Power Transfer (DORMA) |
| 3 EA. - WS-1 Wall Actuator (DORMA) | 1 EA. - TDM Time Delay, 12/24VAC/DC, Contact rating: 3 A @ 30VDC (DORMA) |
| 1 EA. - 9300 ES Exit Device x YR08 Lever Trim (DORMA) | 1 EA. - 9036 Dummy Exit Device x YR02R Rigid Lever Trim (DORMA) |
| 1 EA. - PS 501 Power Supply, 24VDC, Inrush: 14-18 A for .20 seconds, 1 A holding current (DORMA) | 1 EA. - Card Reader (BY OTHERS) |



REV A | 6-6-16 | BLW | UPDATED TDM POWER WIRING FROM ED900

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-WD073

