ED900 SINGLE DOOR: SOLENOID ELECTRIC LATCH RETRACTION
9300 ES EXIT DEVICE x PS501 POWER SUPPLY x ES105 POWER TRANSFER x CARD READER x HARD WIRING ACTUATORS

OPERATION: Door normally closed and locked. Authorized entrance by inserting valid card at exterior Card Reader which triggers the PS501 Power Supply to retract latch bolt of 9300 ES Exit Device and enables interior 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 Operator to open the door. Manual entrance is also possible by key unlocking YR08 Lever Trim and depressing lever to retract latch bolt of 9300 ES Exit Device. Power-assisted entrance 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 (10s set on ED900) the ED900 Low Energy Operator opens the door.

LOSS OF POWER CONDITION: ED900 Low Energy Operator and PS501 Power Supply are disabled allowing door to close releasing latch bolt of 9300 ES Exit Device securing door 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.

NOTES:
1) All wiring and Interface between EAC components and ES900 to be determined and supplied by others.
2) All settings for ED900 Low Energy Operator to be determined and set in field by others.

PARTS LIST:
1 EA - ED900 J8 Low Energy Operator; 115 V, 60 Hz, 6.6 A max. (DORMA)
1 EA - 9300 ES Exit Device x YR08 Lever Trim (DORMA)
1 EA - PS 501 Power Supply 24VDC, Inrush: 14-18 A for ~20 seconds, 2 A holding current, per zone (DORMA)
1 EA - ES105 Power Transfer (DORMA)
2 EA - WS-1 Wall Actuator (DORMA)
1 EA - Card Reader (BY OTHERS)

REV A 5-5-15 BLW UPDATED ED900 RELAY WIRING

NOTE: The 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-WD019
REFERENCE ONLY-ALWAYS CONSULT FACTORY FOR LATEST DIAGRAM AT 1-800-523-8483