

ED900 SINGLE DOOR: MOTORIZED ELECTRIC LATCH RETRACTION 9300 MLR EXIT DEVICE x ES105 POWER TRANSFER x CARD READER x HARD WIRED ACTUATORS

OPERATION: Door normally closed and locked. Authorized entrance by presenting valid card at exterior Card Reader which energizes motor of 9300 MLR Exit Device retracting latch bolt 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 Operator to open the door or manual entrance by YR08 Lever Trim. Authorized entrance also possible by key unlocking YR08 Lever Trim and depressing lever to retract latch bolt of 9300 MLR Exit Device by-passing motorized latch retraction. Power assisted egress by depressing interior WS-1 Wall Actuator which signals the ED900 Low Energy Operator to energize motor of 9300 MLR Exit Device retracting latch bolt. After delay time (field set on ED900) the ED900 Low Energy Operator opens the door. Manual egress by depressing touch bar of 9300 MLR Exit Device.

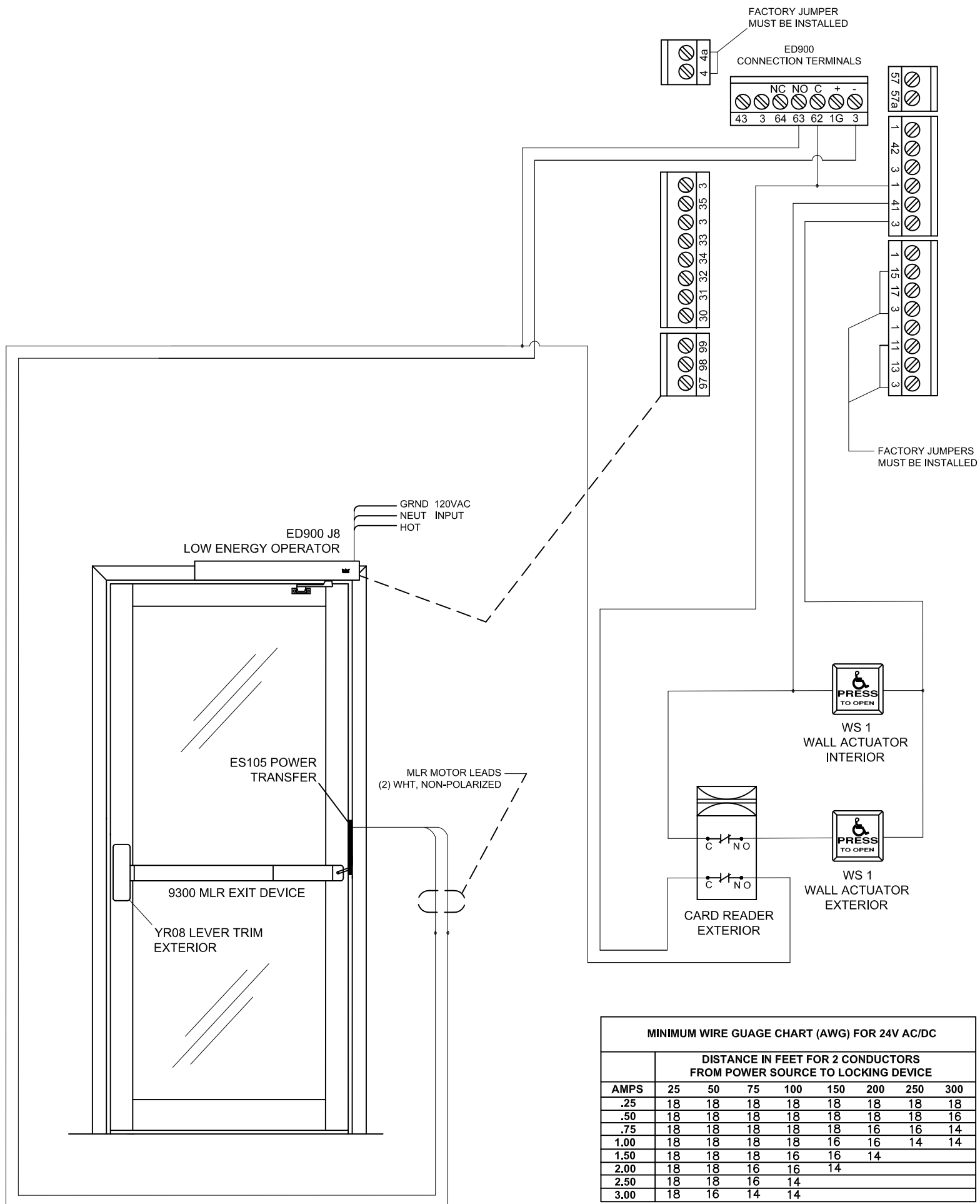
LOSS OF POWER CONDITION: ED900 Low Energy Operator is disabled allowing door to close and releasing latch bolt of 9300 MLR Exit Device securing door when closed. Authorized entrance by key unlocking YR08 Lever Trim and depressing lever to retract latch bolt of 9300 MLR Exit Device. YR08 Lever Trim remains unlocked until re-locked with key. Egress by depressing touch bar of 9300 MLR Exit Device.

NOTES: 1) All wiring and interface between EAC components and ED900 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 AC +/- 10% 50/60 Hz, 6.6 A max. (DORMA)
1 EA. - 9300 MLR Exit Device, .88 A @ 24VDC x YR08 Lever Trim (DORMA)
1 EA. - ES105 Power Transfer (DORMA)

2 EA. - WS-1 Wall Actuator (DORMA)
1 EA. - Card Reader (BY OTHERS)



REV A | 6-6-16 | BLW | UPDATED ED900 RELAY AND 9300 MLR POWER WIRING

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-WD041

