**ED900 SINGLE DOOR: ES96 ELECTRIC STRIKE 24VDC (FAIL SECURE) M9080 MORTISE LOCKSET x CARD READER x HARDWIRED ACTUATORS**

**OPERATION:** M9080 Mortise Lockset is locked with key. Exterior WS-1 Wall Actuator is disabled. Entrance by presenting valid card at Card Reader which energizes ES96 Electric Strike to unlock and enables exterior WS–1 Wall Actuator. Pedestrian then has the option of power assisted entry by depressing exterior WS-1 Wall Actuator which triggers the ED900 Low Energy Operator to open the door or manual entry by lever of M9080 Mortise Lockset. Authorized entrance also possible by key retracting latch bolt of M9080 Mortise Lockset by-passing ES96 Electric Strike.

**Power assisted egress by depressing Interior WS–1 Wall Actuator which signals the ED900 Low Energy Operator to energize ES96 Electric Strike to unlock. After delay time (field set on ED900) the ED900 Low Energy Operator opens the door, Manual egress by depressing lever of M9080 Mortise Lockset.**

**LOSS OF POWER CONDITION:** ED900 Low Energy Operator is disabled allowing door to close and ES96 Electric Strike is de-energized and locked (FAIL SECURE) securing door when closed, Authorized entrance by key retracting latch bolt of M9080 Mortise Lockset by-passing Electric Strike. Egress by depressing lever of M9080 Mortise Lockset.

**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, 6.8 A max. (DORMA)
1 EA. - ES96 Electric Strike, 19 A @ 24VDC (FAIL SECURE) (DORMA)
1 EA. - M9080 Mortise Lockset (DORMA)
2 EA. - WS1 Wall Actuator (DORMA)
1 EA. - Card Reader (BY OTHERS)

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**MINIMUM WIRE GAUGE CHART (AWG) FOR 24V AC/DC**

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**DORMA USA**
REAMSTOWN, PENNSYLVANIA 17567
DIAGRAM No. 900-IND201

REFERENCE ONLY - ALWAYS CONSULT FACTORY FOR LATEST DIAGRAM AT 1-800-523-8483