

BASIC SEQUENCE OF OPERATIONS

Normal operations:

1. Panic Hardware Vertical Rods are retracted and maglocks are enabled
2. Use of Card reader, REX motion, Hand Gesture etc causes:
 - a. Unlock maglocks for a time interval (4sec-16sec) as selected by SW2 positions 5&6
 - b. Pause for a time interval such as 500ms as selected by SW2 positions 7&8
 - c. Trigger RLY4 to activate the automatic door operator
 - d. Relock maglocks

Emergency operations:

1. Activation of fire alarm condition causes:
 - a. Unlock maglocks
 - b. Release (unretract) vertical rods to secure doors latch position
 - c. Allow normal egress

HIGHLIGHTED FUNCTIONALITY

1. Four (4) separate and dedicated initiating (trigger) inputs for Card Readers, Request to Exit (REX) motions, Hand Gesture detectors, Push plates etc.
2. Initiating inputs can be normally Open (N/O) or Normally Closed (N/C) – field selectable
3. Electrified locks outputs are selectable as:
 - a. 12VDC or 24VDC
 - b. Fail Safe/ Fail Secure
 - c. Solid state, automatically resettable after short/overload protection. NO FUSES!
 - d. Dual color LED to indicate Normal/Short
 - e. Unlock duration selectable as “Input follower” (0 sec.), 4 seconds, 8 seconds and 16 seconds – (use if Access control unlock pulse is too short)
4. Four (4) programmable form C dry relays rated at 10A for a variety of functions such as:
 - a. Fire Alarm (F/A) follower
 - b. Motorized Operator trigger
 - i. Field selectable for 0.25 sec – 2 seconds at 0.25 seconds delay interval – field selectable
5. Two (2) protected AUX power ports (12v/24V) for REX motion, Hand Gesture detectors etc.
6. F/A IN and F/A OUT terminal for further interface to building’s Access Control System.
7. Two (2) RS-485 communication ports

NOTE

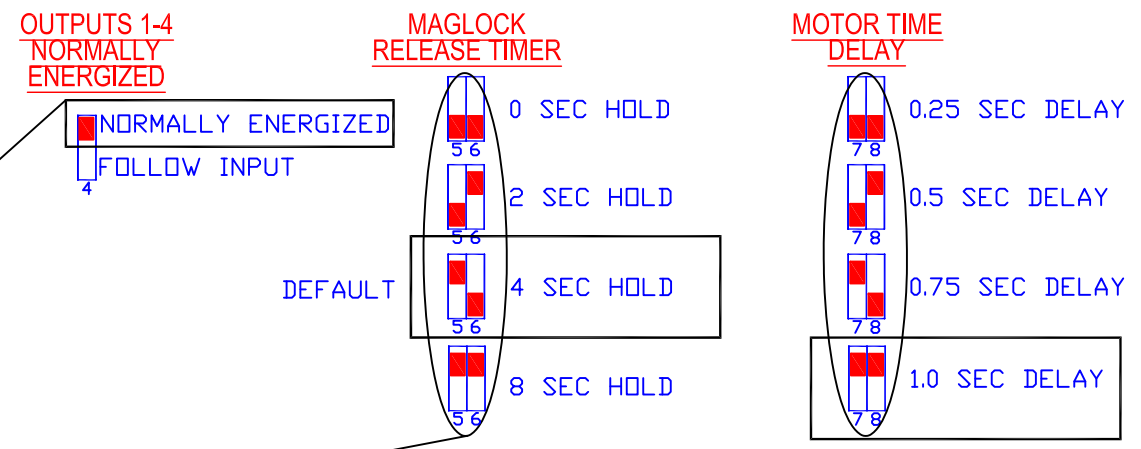
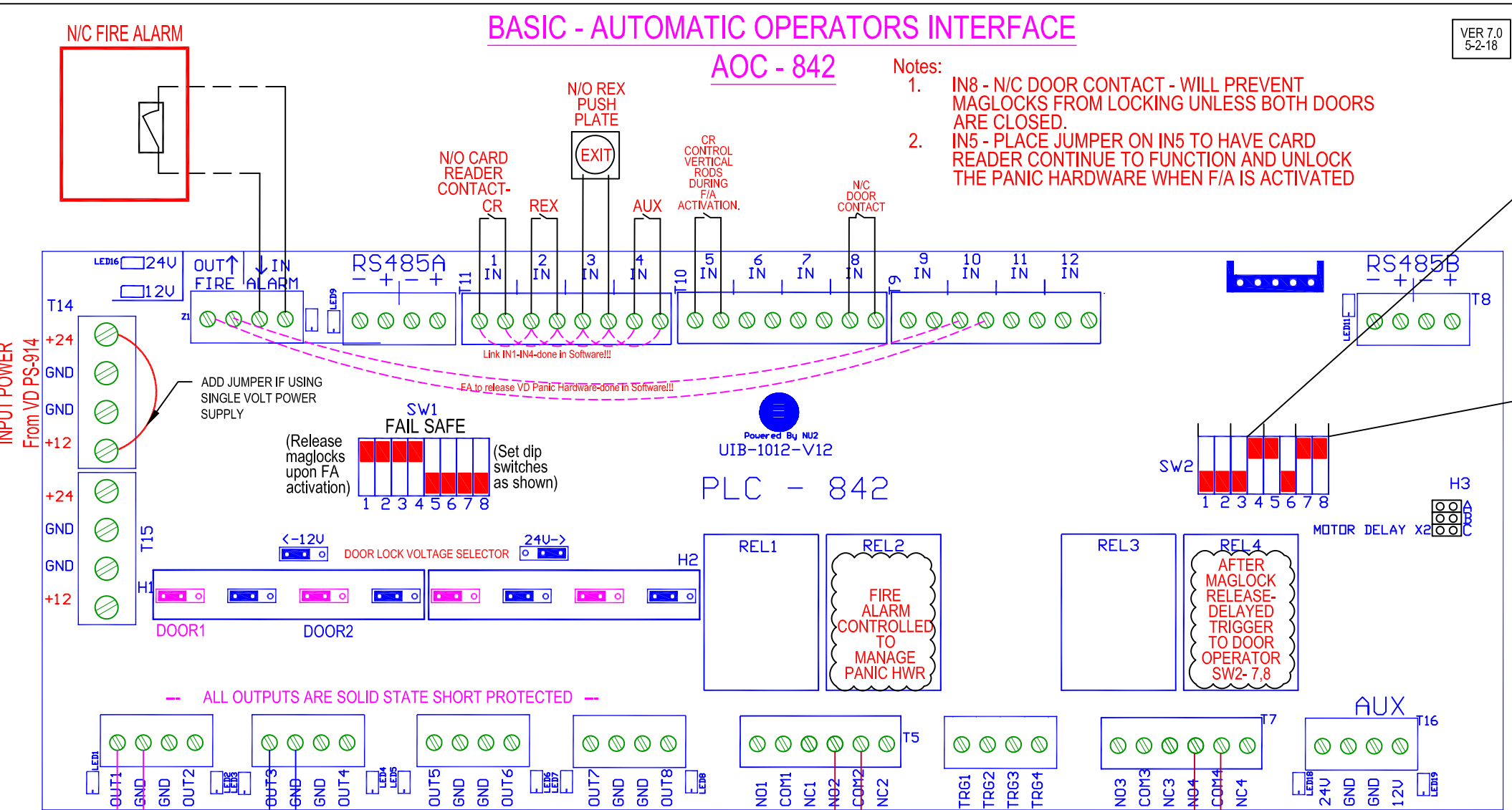
** The above is the description of a basic sequence of operation. Consult factory for additional or custom features and functionality**

BASIC - AUTOMATIC OPERATORS INTERFACE

VER 7.0
5-2-18

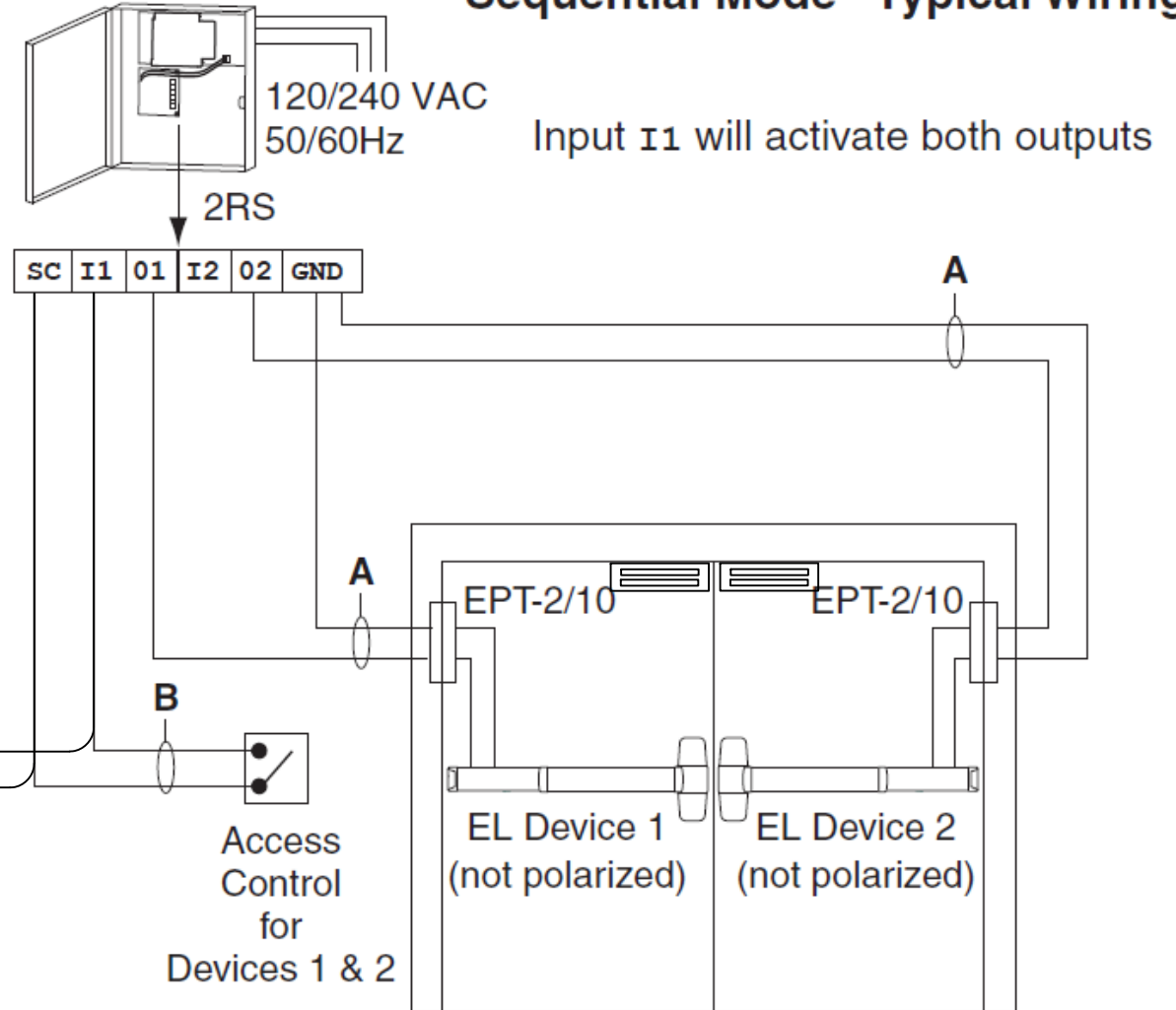
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- Notes:
1. IN8 - N/C DOOR CONTACT - WILL PREVENT MAGLOCKS FROM LOCKING UNLESS BOTH DOORS ARE CLOSED.
 2. IN5 - PLACE JUMPER ON IN5 TO HAVE CARD READER CONTINUE TO FUNCTION AND UNLOCK THE PANIC HARDWARE WHEN F/A IS ACTIVATED



VON DUPRIN PS914 POWER SUPPLY WITH 900-2rs MODULE

Sequential Mode - Typical Wiring



- Notes:
1. Each "wet" maglock/electrified output is:
 - Selected for 12/24V
 - Built in short/overload protection. Automatic reset. No fuses
 - Red/Grn status LED

- Notes:
1. set outputs 1,2,3,4 to be "Normally Energized" via SW2 - 4
 2. Triggering inputs 1,2,3,4 triggers Outputs 1,2,3,4 for a predetermined amount of time such as 0, 2,4,8 seconds as selected by SW2 5,6
 2. Triggering inputs 1,2,3,4 triggers RELAY 4 (motor) for a predetermined amount of time DELAY such as .25, .5, .75 and 1 second as selected by SW2 7,8
 3. FA status is linked to RELAY#1 via software

