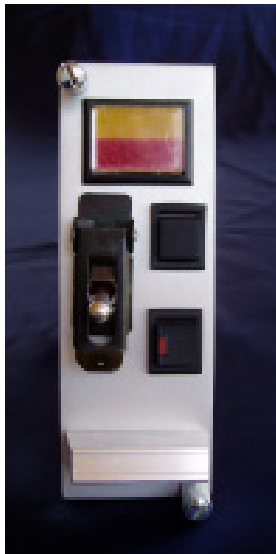# *941*

ADA Door Control Module

AES | Security Products
CORPORATION

Integrates Door Opener with AES 900 Door Control System

The AES 941 Door Control Package is a single, flexible solution that integrates "ADA" automatic door openers into the AES 900 Door Control System. The package consists of one 941-M Control Module and one 941-R Door Controller Interface. The parts work in tandem to provide an easy-to-integrate and fast-to-install system.

• **The 941-M Door Control Module** is very similar to the widely used 940 Door Control Module. It fits the same footprint, allowing for backward and forward compatibility. The 941 provides identical switches, indicators and operation so that retraining is minimized. The added ADA door functions are co-located on the control module and are simple to operate. The classic functions include control of the strike lock, magnetic lock, and emergency override. Additionally a guard can also operate the ADA automatic door pump remotely. The guard also controls day / night mode operation of the automatic door closer. Up to eight (8) AES 941-M modules may be mounted in one (1) AES 900 Rack.

• **The 941-R Relay Interface** is installed at or near the door for easy wiring. It also provides inputs for ADA door opener switches and provides full or limited control for egress / ingress. The 941-R includes it's own case to stay isolated from the door opener, providing a clear dividing line between security and facility functions.

• **The 941-R2 Relay Interface** includes 2 relay cards in a single box to control dual doors. Each relay card is controlled by separate 941-M Door Control Modules.

Key Benefits

• **Single solution for ADA doors**

• **Saves space at guard post - uses a single slot in the AES 900 Rack**

• **Day / Night mode selection enables / disables door opener**

• **Built-in safety disables the door opener when the door is locked**

• **Flexibility to adapt to site and security requirements.**

• **Relay module provides pump wiring, plus ingress and egress switch connection to save wiring time**

• **Relay interfaces include electrical box for quick mounting.**

• **Multiple options for ingress, egress**

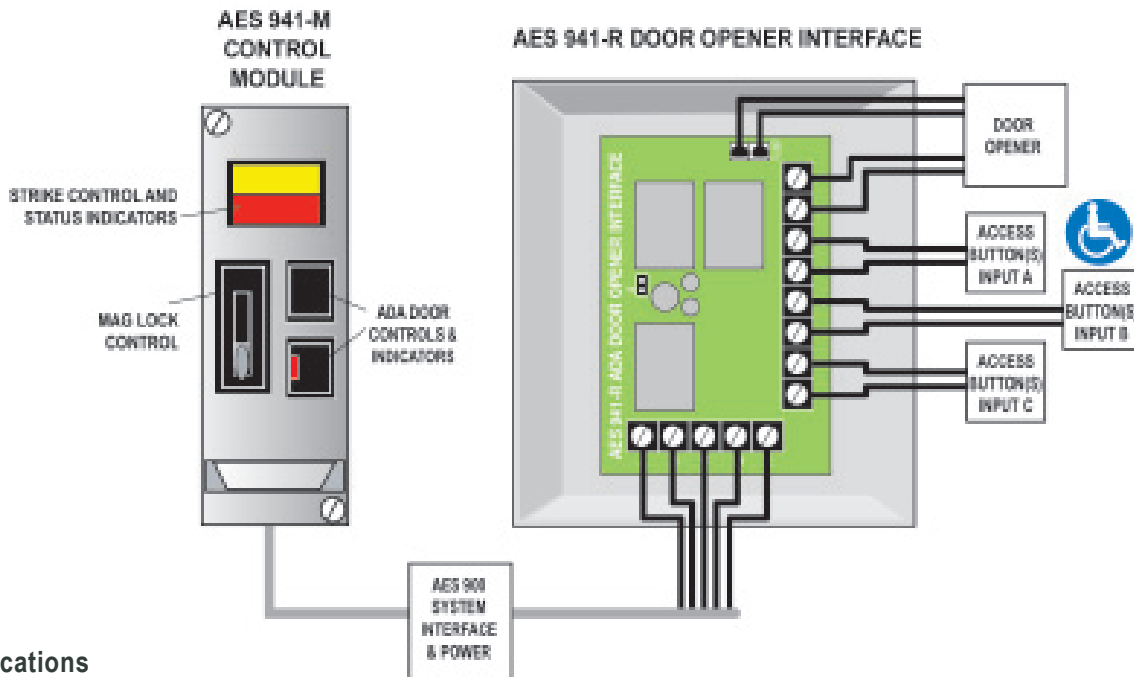• **Multiple control locations may be installed**

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http://www.aes-security.com

AES 941-M CONTROL MODULE

STRIKE CONTROL AND STATUS INDICATORS

MAG LOCK CONTROL

ADA DOOR CONTROLS & INDICATORS

AES 941-R DOOR OPENER INTERFACE

DOOR OPENER

ACCESS BUTTON(S) INPUT A

ACCESS BUTTON(S) INPUT B

ACCESS BUTTON(S) INPUT C

AES 941-R ADA DOOR OPENER INTERFACE

AES 900 SYSTEM INTERFACE & POWER

Specifications

AES 941-M Door Control Module

Dimensions: 5.125" H x 1.75" W x 3.5" D (approx)
Mounting: Fits into standard slot of AES 900 Door Control Rack
Operative Voltage: 24VDC, use AES 726, 727 or 780 Supply
Switches:

- Access Push Button Switch, releases strike, momentary
- Magnetic Lock Toggle Switch, 3 position
  - Up = Override Emergency Lock Down
  - Center = Locks Magnetic Lock, overrides ADA pump
  - Down = Releases Magnetic Lock
- ADA Access Push Button Switch: momentary
  - releases strike and triggers door opener
  - timer opens latch first, and holds latch while door opens
- ADA Day/Night Mode Switch: push-on, push-off
  - activates ADA Access Push Button

Indicators:

- Access Indicators (on Access Push Button)
  - Red Lamp: Emergency Lock Status, On = Lock Engaged
  - Yellow Lamp: Door Status, On = Door Open
- Day/Night Mode Indicators (On Opener Control Switch)
  - Red LED: On = Day Mode

Terminals: Molex Connector, plugs into mating 900 rack connector

AES 941-R Relay Interface:

Case Size, Type   8 x 8 x 4"D (approx), NEMA 1, with knockouts
Relay Card Size: Relay Card, 4.75"W x 3"D x 3"H (approx)
Power: 24VDC Control Voltage
Inputs/Outputs:

- Door Opener Pump Cut Out, Molex connector
- Terminal Strip, 1 to 8
- Trigger to Door Opener, terminals 7+8
- ADA Door Ingress/Egress Wall Buttons, 3 Options provided:
- Option A, Switch activates latch and door opener;
  - timer opens latch first, then triggers pump
- Option B, Switch activates pump only
- Option C, Switch activates pump only if latch is released by 941M

Hold Timer Option, Jumper: enables latch hold for 2-3 seconds
Terminals:

- Barrier Blocks
- Molex Connector for 110/220VAC opener cut out

AES 941-R2 Relay Interface:

Similar to 941-R, but with two (2) relay cards in a single enclosure; saves space and time when connecting to dual door opener configurations
Case Size, Type: 10 x 8 x 4"D (approx), NEMA 1, with knockouts
Other Specifications: Same as 941-R above.

Ordering:

AES 941-PKG - ADA Door Control Package, *includes one 941-M and one 941-R*

AES 941-PKG2, ADA Door Control Package, *includes two 941-M's and one 941-R2*

AES 941-M, ADA Door Control Module Only

AES 941-R, ADA Door Opener Interface Only

AES 941-R2, ADA Door Opener Dual Interface Only

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