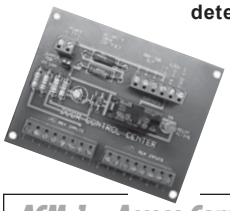
Door Control Modules

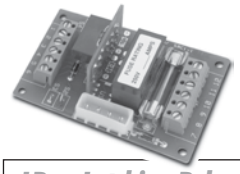
Door control relay modules ensure compatibility of access hardware components and simplify system installation and troubleshooting. Different modules may be specified for one power supply. **See Table 1 to determine the module capacity of the power supply.**

The isolated relay design allows small gauge cable runs of 20 gauge wire up to 1000 feet from the trigger device to the module. **See Table 4 to determine the wire gauge for electric locks.**



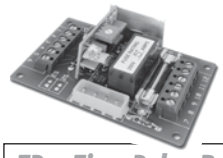
ACM-1 Access Control Interface Module

Input Voltage: 12 or 24VDC
Input Current: 45mA
Eight Trigger Inputs: 4 N.C. and 4 N.O., dry
Voltage/Lock Output: SPDT, 5 Amps @ 30VDC
Auxiliary Output: SPDT Dry, 5 Amps @ 30 VDC
Dimensions: 4.25" W x 3.375" H (108 x 111 mm)



LR Latching Relay Module

Input Voltage: Specify 12 or 24VDC
Input Current: 35mA
Trigger input: Two position, Center off, N.O., dry, momentary pulse to latch on and off
Voltage/Lock Output: Fused SPDT, 5 Amps @ 30VDC
Dimensions: 3.25" W x 2" H (83 x 51 mm)

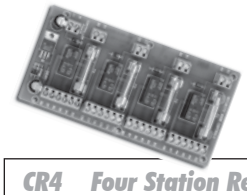


TD Time Delay Relay Module

Input Voltage: 12 or 24VDC
Input Current: 35mA
Dry Trigger Inputs: One - N.O. Dry, One - N.C. Dry
Wet Trigger Input: Normally Off, The trigger voltage must be the same as the lock and supply voltage.
Anti-Tailgate/Reset Input: N.O. Dry, When the door opens the magnetic contact closes, resetting the timer. The door locks when closed.
Voltage/Lock Output: Fused SPDT, 5 Amps @ 30VDC
Auxiliary Output: Non-fused SPDT Dry 5 Amps @ 30 VDC
Dimensions: 3.25" W x 2" H (83 x 51 mm)

CR Control Relay Module

Input Voltage: Specify 12 or 24VDC
Input Current: 35mA
Dry Trigger Input: One N.O. Dry
Wet Trigger Input: Normally Off, Trigger Voltage must be the same as the relay and supply voltage, AC or DC
Voltage/Lock Output: Fused SPDT, 5 Amps @ 30VDC
Auxiliary Output: Non-fused SPDT Dry, 5 Amps @ 30 VDC
Dimensions: 3.25" W x 2" H (83 x 51 mm)

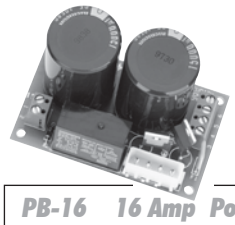


CR4 Four Station Relay Module

Input Voltage: 12 or 24VDC
Input Current: 120mA
Trigger Inputs: Four N.O. Dry
Lock Outputs: Four, Fused SPDT Dry, 2 Amps @ 30VDC
Auxiliary Outputs: 4, Non-fused, SPDT Dry, 2 Amps @ 30VDC
Dimensions: 6" W x 3.25" H (153 x 83 mm)

PB-8 8 Amp Power Booster

Input Voltage: 24VDC
Input Current: 85mA
Trigger Input: N.O. Dry
Lock Output: SPDT, 24VDC
1 Amp Continuous, 8 Amps Surge
Dimensions: 3.25" W x 2" H (83 x 51 mm)



PB-16 16 Amp Power Booster

Input Voltage: 24VDC
Input Current: 85mA
Trigger Input: N.O. Dry Contact
Lock Output: SPDT, 24VDC
1 Amp Continuous, 16 Amps Surge
Dimensions: 3.25" W x 2" H (83 x 51 mm)

Table 4: Wire Gauge Chart (AWG) Distance in feet for 2 conductors from power source to the locking device.

AMPS	25	50	75	100	150	200	250	300	400	500	25	50	75	100	150	200	250	300	400	500	1000
0.25	18	18	18	18	18	18	16	16	14	14	18	18	18	18	18	18	18	18	18	14	14
0.50	18	18	18	18	16	14	14				18	18	18	18	18	18	18	16	16	14	
0.75	18	18	18	16	14	14					18	18	18	18	18	16	16	14	14		
1.00	18	18	16	14	14						18	18	18	18	16	16	14	14			
1.50	18	18	16	14							18	18	18	16	16	14					
2.00	18	18	14	14							18	18	16	16	14						
2.50	18	18	14	14	Minimum Wire Gauge						18	18	16	14	14	Minimum Wire Gauge					
3.00	16	16	14	12	for 12V AC/DC						18	16	14	14	14	for 12V AC/DC					
3.50	16	16	12	12							18	16	14	14	12						
4	14	14	12	12							16	16	14	12	12						
5	14	14	12								16	14	14	12							
6	12	12									14	14	12	12							

SECURITY DOOR CONTROLS

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