Notes:
Fail-Secure Operation - Unlocks when energized. If power fails the strike remains in a locked condition.
Fail-Safe Operation - Locks when energized. Used in applications requiring automatic unlocking in case of power failure.

Available Voltages: 12V AC Intermittent duty, 12V AC/DC Continuous duty, 16V AC Intermittent duty, 16V AC/DC Continuous duty, 24V AC Intermittent duty, 24V AC/DC Continuous duty.

Warning!
AC Intermittent duty solenoids are designed to be energized 30 seconds at a time. Energizing for longer periods will damage the solenoid.

AC Continuous duty strikes are supplied with a A/R # 4603 rectifier attached to the solenoid leads. These are silent operation strikes - without the "buzzing" sound. They use a DC solenoid with an externally attached, full-wave bridge rectifier.

Wiring
The number of wires will vary depending on features of the strike.
The voltage and amperage ratings are marked on all strike labels. The solenoid wires are not polarized.

Monitoring (Optional)
Monitored strikes contain two, internally mounted, switches: one is activated by the latch bolt's penetration of the strike and the other indicates that the strike jaw is either locked or unlocked by the solenoid.

All unused leads from monitor switches should be insulated.

Common contact - Black
Normally open contact (NO) - White
Normally closed contact (NC) - Red
Maximum switching current - 7 Amps @ 250 VAC

Solenoeld Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Wire Color</th>
<th>Coil Resistance (Ohms ±5%)</th>
<th>Peak Instantaneous Current (AMPs)</th>
<th>Continuous Operating Current (AMPs)</th>
<th>Peak Instantaneous Power (Watts)</th>
<th>Continuous Operating Power (Watts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 VDC CONT. WHITE</td>
<td>141.6</td>
<td>0.175</td>
<td>0.170</td>
<td>0.400</td>
<td>0.400</td>
<td></td>
</tr>
<tr>
<td>16 VDC CONT. GREEN</td>
<td>61.8</td>
<td>0.222</td>
<td>0.222</td>
<td>0.305</td>
<td>0.305</td>
<td></td>
</tr>
<tr>
<td>12 VDC CONT. RED</td>
<td>34.6</td>
<td>0.352</td>
<td>0.352</td>
<td>0.810</td>
<td>0.810</td>
<td></td>
</tr>
<tr>
<td>24 VAC INT. BLUE</td>
<td>16.3</td>
<td>0.103</td>
<td>0.636</td>
<td>1.730</td>
<td>1.730</td>
<td>6.600</td>
</tr>
<tr>
<td>12 VAC INT. YELLOW</td>
<td>8.8</td>
<td>1.420</td>
<td>0.813</td>
<td>1.740</td>
<td>1.740</td>
<td>5.820</td>
</tr>
</tbody>
</table>

Warning!
Solenoid duty solenoids should not be converted to fail-safe configuration. Fail-safe units use only continuous duty solenoids.

7100 SERIES (DATA SHEET WIRE CODING FIELD REVERSIBLE)

TYPICAL ELECTRIC STRIKE WIRING DIAGRAM
INTERMITTENT DUTY FAIL-SECURE 24 VAC

Control Switch (N.O.)
(ex. Pushbutton, keypad, Card Reader)

DRY CONTACTS!

Solenoid retaining plate not shown
Return spring not shown

"FAIL-SECURE" CONFIGURATION

FIG. 1

FIELD REVERSIBLE (FAIL-SECURE)

DO NOT LUBRICATE STRIKE!

FIG. 2

"FAIL-SECURE" CONFIGURATION

ARMS & SPRINGS REMOVED

FIELD REVERSIBLE (FAIL-SAFE)

LUBRICATE STRIKE!

FIG. 3

DO NOT LUBRICATE STRIKE!

FIG. 4

"FAIL-SAFE" CONFIGURATION

ARMS & SPRINGS REMOVED

FIG. 5

FIELD REVERSIBLE (FAIL-SAFE)

Color Code:
Red : NO
White : NO
Black : Common

TYPICAL ELECTRIC STRIKE WIRING DIAGRAM
INTERMITTENT/CONTINUOUS DUTY 24 VDC

Control Switch (N.O.)
(ex. Pushbutton, keypad, Card Reader)

DRY CONTACTS!

Solenoid retaining plate not shown
Return spring not shown

"FAIL-SECURE" CONFIGURATION

FIG. 6

FIELD REVERSIBLE (FAIL-SAFE)

LUBRICATE STRIKE!

FIG. 7

DO NOT LUBRICATE STRIKE!

FIG. 8

"FAIL-SAFE" CONFIGURATION

ARMS & SPRINGS REMOVED

FIG. 9

FIELD REVERSIBLE (FAIL-SAFE)

Color Code:
Red : NC
White : NO
Black : Common

WARNING!
Intermittent duty solenoids should not be converted to fail-safe configuration. Fail-safe units use only continuous duty solenoids.

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Rev. H ECN: 11955D Date: 06/19/12 Page 1 of 1 Appvd: MP Date: 07/20/12