

1600 Series

Electric Strikes



Description

DynaLock 1600 Series Electric Strikes are universally adaptable to suit all door and frame types and accommodate most locking devices with up to a 3/4" latch projection. To simplify ordering and speed installation all 1600 Series models feature 12/24V AC/DC field-selectable operation, dial-selectable fail-safe or fail-secure operating mode, 1/4" horizontal adjustment and modular, plug-in wire connections.

All models are also available in a low-profile, 1-1/16" backset version, for narrow-style aluminum frames, which accept up to a 5/8" latch projection. Optional latch/keeper monitor switches are also available.

Typical applications include non-fire rated doors in most commercial, industrial and institutional centers, retail outlets and health care facilities.

Features

- Field Selectable Lock Mode
- Field Selectable Voltage
- Horizontal Adjustability
- Low Profile Version
- Plug-in Wire Connections
- UL Listed 1034 Burglary Resistant
- Tested To 70 ft. lbs. Dynamic Force
- Tested To Over 1,000,000 Cycles
- 3 Year Limited Warranty

Options

- LMS** Lock Monitor Switches. Latch/Keeper status monitor switches (see page 3 for details).
- SF** Special Finish. US32D standard. US3, US4, US10, US10B and US32 available.

1600 Series Electric Strike Selection

Part Number Configuration

16 - 05 - S - LMS - US10B

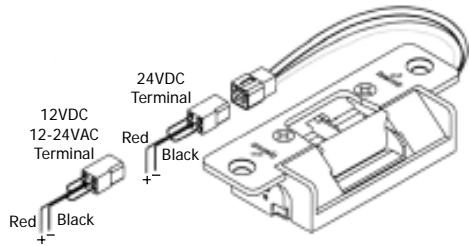
Finishes

- US32D** BRUSHED STAINLESS STEEL (STANDARD)
- US3** POLISHED BRASS
- US4** BRUSHED BRASS
- US10** BRUSHED LIGHT BRONZE
- US10B** BRUSHED DARK BRONZE
- US32** BRIGHT STAINLESS STEEL

LMS Lock Monitor Switches (Optional)

Two SPDT switches monitor latchbolt projection and locked/unlocked condition of strike keeper.

1600 Series Strike
Field Selectable Voltage
(Shipped w/12V & 24V
Wiring Harnesses)



Field Selectable Operation:
Fail-Safe (Fail Unlocked - FUL)
Fail-Secure (Fail Locked - FL)



Strike Profile

The type of lock used will determine which Strike Profile to select. This is dictated by the projection of the lock latchbolt into the strike cavity.

"L" PROFILE	"S" PROFILE	"S" PROFILE	"L" PROFILE	"S" PROFILE
CYLINDRICAL LOCKS (FOR 5/8" LATCH PROJECTION)	CYLINDRICAL LOCKS (FOR 3/4" LATCH PROJECTION)	MORTISE LOCKS	NARROWLINE ALUMINUM LOCKS	MORTISE EXIT DEVICES

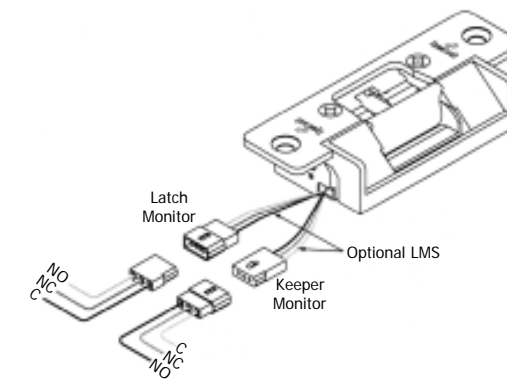
Latch Monitor Wires

- Black = Common (C)
- Blue = Normally Closed (NC)
- Orange = Normally Open (NO)

Keeper Monitor Wires

- Black = Common (C)
- Yellow = Normally Closed (NC)
- Green = Normally Open (NO)

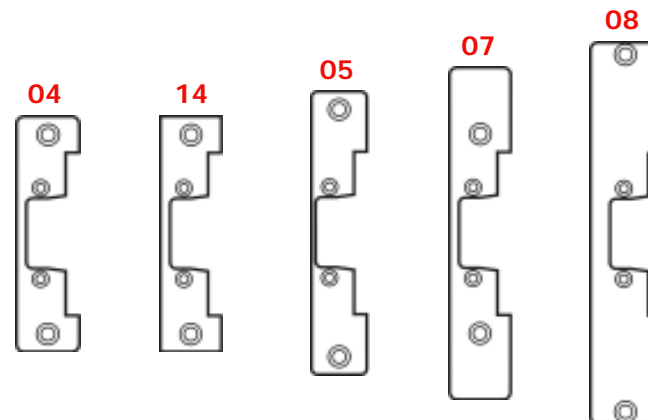
Note: Contacts are indicated with the keeper in a closed and locked position, with no latch present.



Faceplate Selection

Selection of the Strike Faceplate is based on the frame jamb material.

- 04** 1-1/4" x 4-7/8" ANSI ROUND CORNER (ALUMINUM OR WOOD FRAMES)
- 14** 1-1/4" x 4-7/8" ANSI SQUARE CORNER (HOLLOW METAL OR WOOD FRAMES)
- 05** 1-1/8" x 5-7/8" ROUND CORNER (ALUMINUM OR WOOD FRAMES)
- 07** 1-1/4" X 6-7/8" ROUND CORNER (ALUMINUM OR WOOD FRAMES)
- 08** 1-7/16" X 7-15/16" ROUND CORNER (ALUMINUM OR WOOD FRAMES)



GENERAL ELECTRICAL SPECIFICATIONS

VOLTAGE	DUTY	SOUND	AMPS*	OHMS**
12VDC	Continuous	Silent	0.375	37
24VDC	Continuous	Silent	0.190	148
12 to 24VAC	Intermittent	Buzz	0.565/0.280	148

* Ratings are based on max. current draw @ +10°C and include initial inrush.
**Nominal resistance at +25°C +- 7%.

1600 Series Electric Strikes

Profile Dimensions

DIMENSION	A	B	C	D-S	D-L	E	F	G	H
FRACTIONAL INCHES	1-1/4	4-7/8	3-11/32	1-5/32	1-1/16	3/8	1/8	1-1/2	47/64
DECIMAL INCHES	1.250	4.875	3.344	1.156	1.063	.375	.125	1.500	.734
METRIC MILLIMETERS	31.75	123.83	84.99	29.00	27.00	9.53	3.18	38.10	18.59

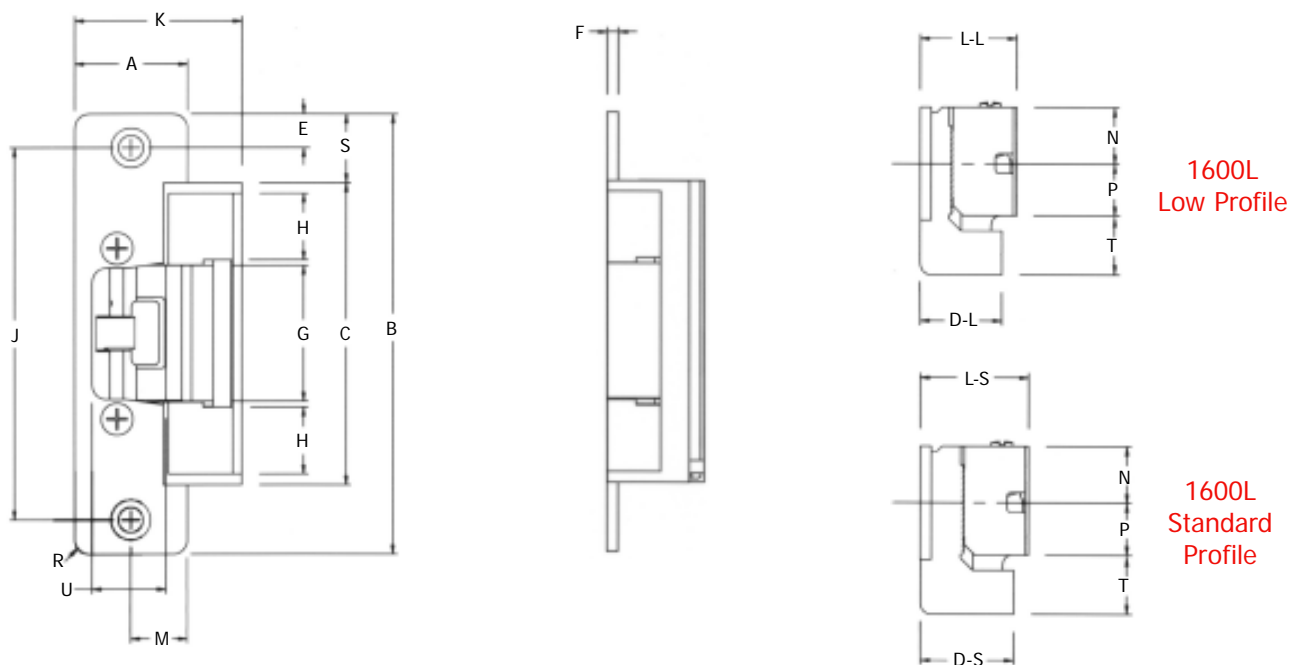
DIMENSION	J	K	L-S	L-L	M	N	P	R	S
FRACTIONAL INCHES	4-1/8	1-27/32	1-13/64	1-1/16	5/8	5/8	37/64	5/32	49/64
DECIMAL INCHES	4.125	1.844	1.203	1.063	.625	.625	.578	.156	.766
METRIC MILLIMETERS	104.78	46.99	30.56	26.96	15.88	15.88	14.63	4.06	19.45

Note: Dimensions shown above are with **04** faceplate.

T DIMENSION	Default	Min	Max
FRACTIONAL INCHES	21/32	1/2	49/64
DECIMAL INCHES	0.656	0.500	0.766
METRIC MILLIMETERS	16.51	12.49	19.51

U DIMENSION	Default	Min	Max
FRACTIONAL INCHES	13/16	45/64	31/32
DECIMAL INCHES	0.813	0.703	0.969
METRIC MILLIMETERS	20.80	17.81	24.79

Note: T and U dimensions are relative to horizontal adjustability.



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