

2310ME Series

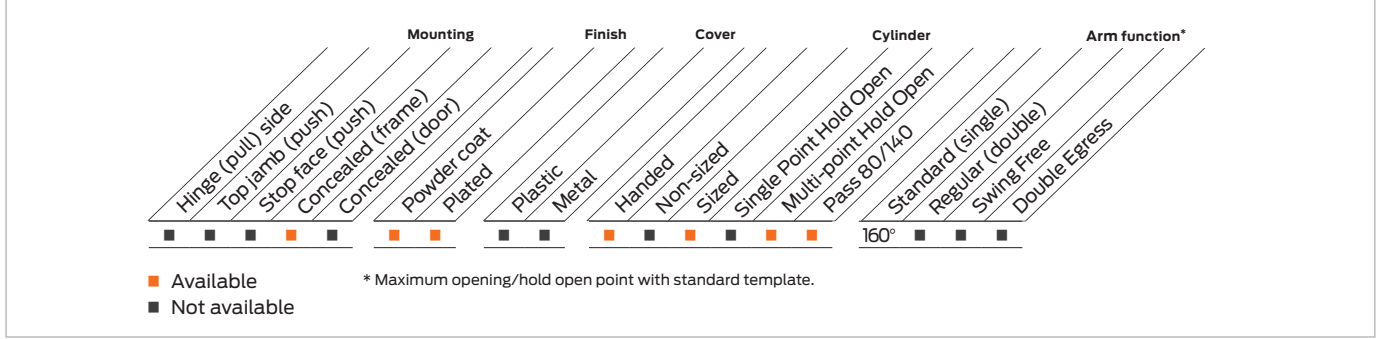


The 2310ME SENTRONIC® is a concealed heavy duty, electrically controlled closer/holder designed to provide infinitely adjustable hold open for fire and smoke barrier doors. Door is held open until current interruption releases mechanism and the door closes.

Features

Certifications	Grade 1 - ANSI A156.15, UL 10C, 100 Hour Salt Spray, Meets BAA - Buy American Act, NFPA 101	Fasteners	Wood and Machine Screws (WMS)
Body construction	<ul style="list-style-type: none"> Cast iron body Full complement bearing 1 1/2" diameter piston 11/16" diameter double heat treated pinion journal 	Mounting	Concealed (in frame)
Fluid	All weather fluid	Arms	Standard handed arm and non-handed track (two piece metal finish plate)
Handing	Handed	Finishes/ colors/ powder coat	<ul style="list-style-type: none"> 689 Aluminum paint 690 Statuary Bronze paint 691 Light Bronze paint 693 Black paint 695 Dark Bronze paint 696 Brass paint Custom colors optional Optional SRI primer - powder coat only Optional plated finishes
Size	Sized, 4 only	Wiring	<ul style="list-style-type: none"> Concealed or exposed Built in on/off switch controls hold open function Interfaces with fire alarm system
Warranty	2 years		

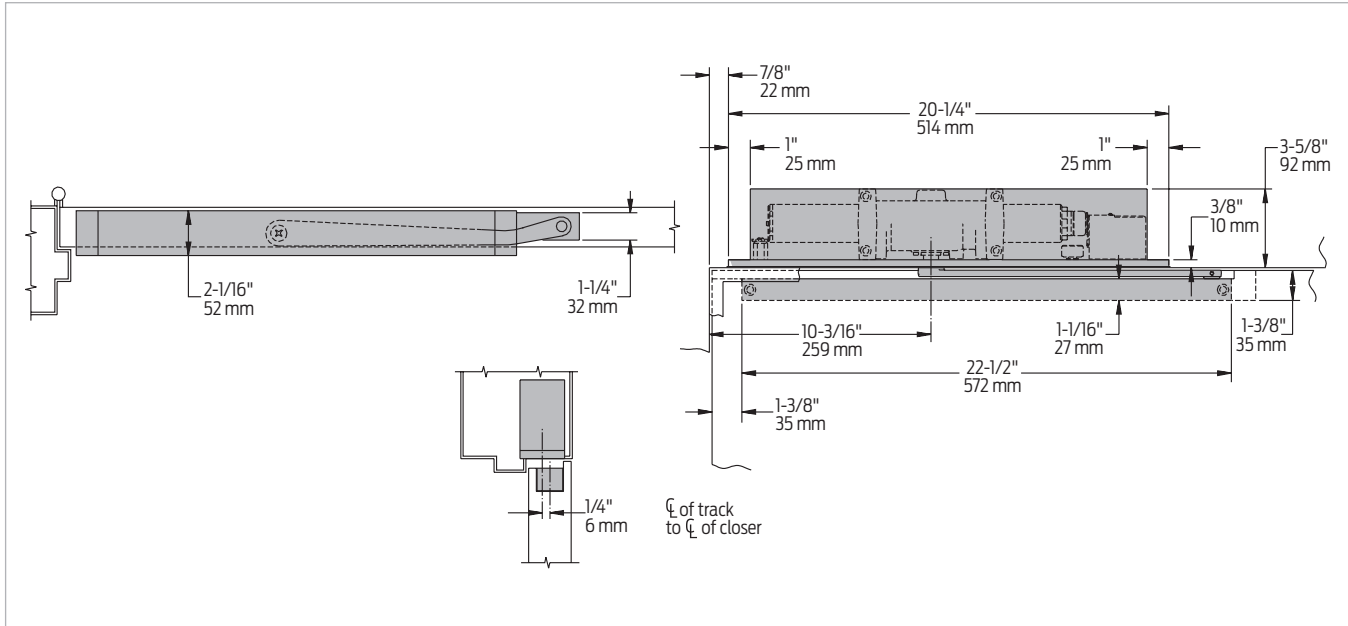
Special templates | Customized installation templates or products may be available to solve non-standard applications. Contact LCN Product Support for assistance.



Introduction
 Product selection guide
 SEM Series
 3130SE Series
 4040SE Series
2310ME Series
 4310ME Series
 4410ME Series
 4310HSA Series
 4410HSA Series
 SEH Series

Mounting details

Concealed mounting



Butt hinges	Should not exceed 5" (127 mm) in width
Top rail	<ul style="list-style-type: none"> 1 3/4" (35 mm) mortise required 5/16" (8 mm) cutout required at top of door, stop face only
Door thickness	1 3/4" (44 mm) minimum
Door width	2' 4" (711 mm) minimum
Hollow metal frame	<ul style="list-style-type: none"> Requires minimum 4" (102 mm) x 4" frame Consult factory or template for preparation details
Bypass	<ul style="list-style-type: none"> CYLB80 or CYLB140 - eliminates hold open function up to a specified point of door swing CYLB80 cylinder from 0° to 80° CYLB140 cylinder from 0° to 140°
Maximum opening	Templating allows 180° with hold open points up to 160°
Options	<ul style="list-style-type: none"> Hold open bypass 24V or 120V input, please specify

ME (2310) wiring diagram

WIRING DIAGRAM
 Input voltage 24V AC/DC or 120V AC/DC (usually from alarm panel or detector)

- For interior smoke barrier and labeled fire doors
- Functions as full rack and pinion door closer when hold open is not engaged or current is interrupted

Accessories

Cylinders



- 2310ME-3971**
Cast iron cylinder assembly (CYL)
- Handed
 - Cast iron



- 2310ME-3071**
Cast iron cylinder assembly (CYL)
- Handed
 - "On/Off" switch assembly controls the hold open function.
 - Circuitry accepts either AC or DC input. Specify 24V or 120V
 - Standard

Arm



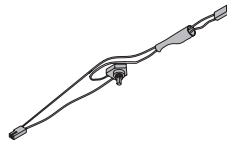
- 2310ME-3077T**
Standard Arm (STDTRKARM)
- Handed

Track



- 2310ME-3038**
Standard Track (STDTRK)
- Non-handed
 - Standard

Switch

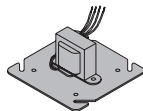


- 2310ME-3351**
Switch
- "On/Off" switch assembly provides continuous hold open function
 - 24V or 120V, please specify

Installation accessories



- 2310ME-420**
Fire Shield
- 22 gauge steel liner mounts in the track mortise of the door's top rail for 20 minute labeled wood doors with hollow metal frames



- 2310ME-3210**
Transformer
- Reduces line voltage from 120V to 24V AC
 - Mounted on plate for 4" (102 mm) x 4" x 2 1/8" (54 mm) junction box (by others)



- 2310ME-3034**
Track Roller
- Quiet, low friction roller assembly
 - Shoulder dimension "X" = 1/16" (2 mm)