

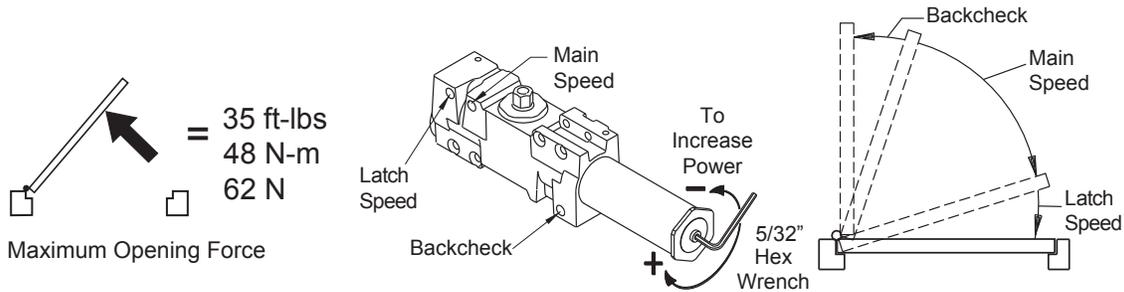


24191

4040-SEL

LCN®

Installation Instructions



Installation

1a This closer features two mounting options. Before beginning, determine which type of mounting best applies to your application or has been specified for the job, then be sure to use the proper template.

1b The voltage shown on the track cover plate must match voltage supplied to door frame (24V or 120V). If **concealed wiring** is desired, prepare the frame to specifications shown on the corresponding template (pull side or push side). If **surface wiring** is desired, be sure to mount track on frame **before** running any EMT / conduit.

1c Depending on mounting used, insert proper track plugs into side or top of the track. Using fasteners provided, mount track on frame to the dimensions of the template being used. Remove solenoid cover plate and make electrical connections (See Pg. 2). NOTE: Switch hole in cover plate **MUST** be aligned with test / release switch when re-attaching plate to track.

1d Before mounting closer, the spring power may need adjusting. The 4040 SEL comes preset as a size 3. This will control a door up to 38" wide. If door is wider than 38", adjust closer as shown (see illustration below) up to 7 full turns. Starting the cover screws at this point is recommended. Using fasteners provided, mount closer on door to the dimensions of the template being used.

1e Arm Installation: Install arm as follows:

1. **Push side mounting:** Place arm hub over top closer shaft, parallel with door. Place a wrench on bottom shaft of closer and rotate away from door. When flats in arm hub line up with the first available flats of the shaft, slide arm hub onto shaft. Insert shaft screw and tighten securely.
2. **Pull side mounting:** Place arm hub over top closer shaft, parallel with door. Rotate arm away from door until flats in arm hub line up with first available flats of shaft. Slide arm hub onto closer shaft. Insert shaft screw and tighten securely.

1f Loosen the set screw in arm. Connect arm to track roller, and tighten set screw firmly.

1g **To adjust hold-open position of door:** Remove screw in the adjustable arm and open door to desired position. Re-insert screw and tighten securely.

1h Regulation: Do not allow door to slam into frame. A "normal" closing time from a 90° position is 5 to 7 seconds, evenly divided between **MAIN** and **LATCH SPEEDS**. If adjustments are needed, use a 3/32" hex wrench. To adjust **MAIN SPEED**, turn regulating screw (see illustration) clockwise to slow speed or c.c.w. to increase speed. **LATCH SPEED** is adjusted in the same way. When adjusting **BACKCHECK**, use least amount necessary to retard swing of door sufficiently. To adjust **BACKCHECK**, turn regulating screw clockwise to increase the amount of force or c.c.w. to reduce the amount of force. **DO NOT USE AN ABRUPT BACKCHECK SETTING OR EXPECT THE DOOR CLOSER TO AS A STOP!**

1i With regulation done, place snap on clip insert into proper cutout then snap cover assembly onto spring tube.

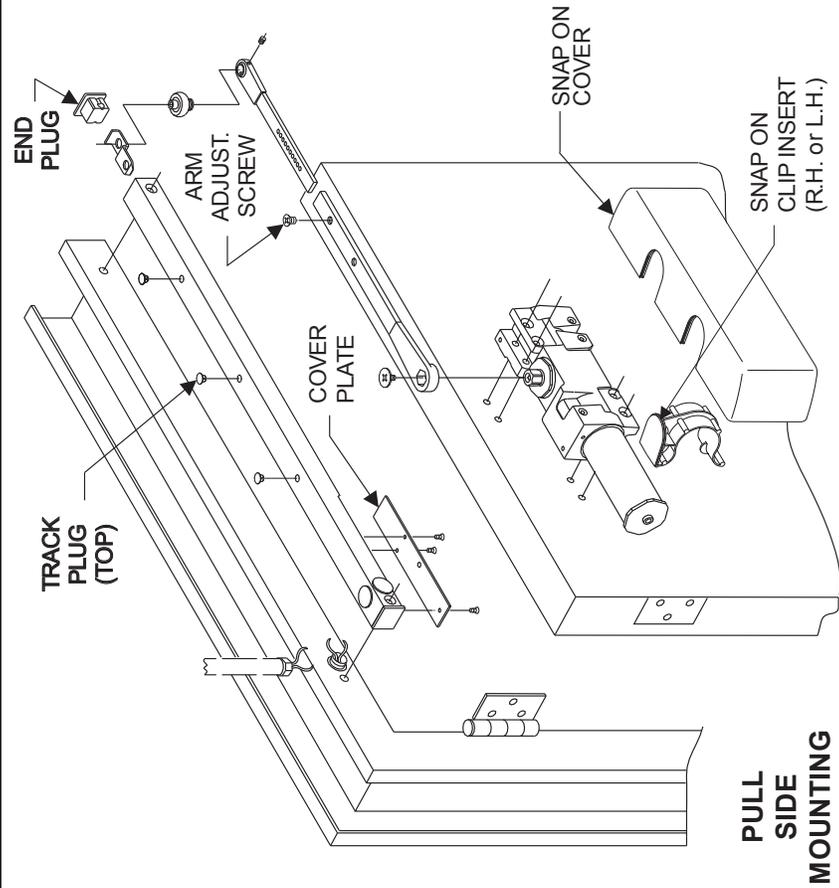
⚠ CAUTION ⚠

Improper installation or regulation may result in personal injury or property damage. Follow all instructions carefully. For questions, call LCN at 877-671-7011

Customer Service

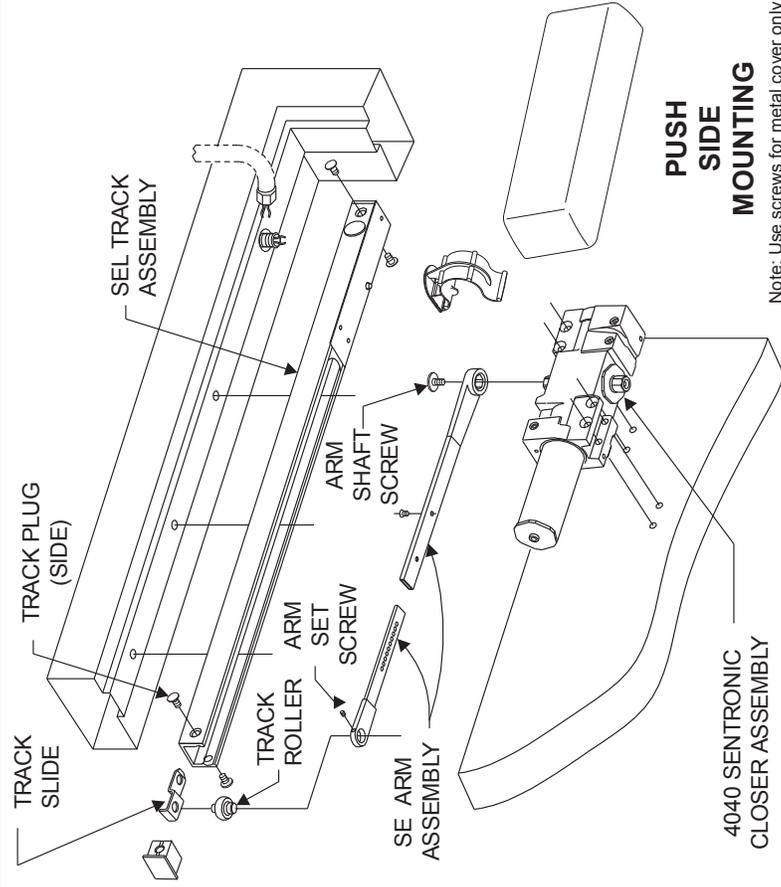
1-877-671-7011 www.allegion.com/us





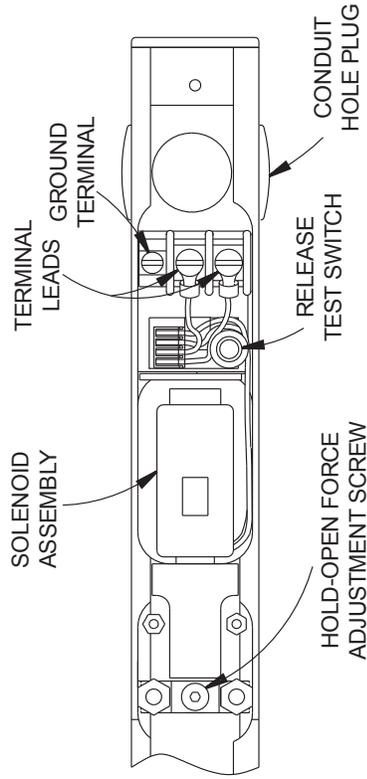
PULL SIDE MOUNTING

Note: Use screws for metal cover only.



PUSH SIDE MOUNTING

Note: Use screws for metal cover only.



HOLD OPEN FORCE ADJUSTMENT: Locate hold-open adjustment screw in diagram above. For greater hold open force, insert socket screw key wrench (included in screwpack) and turn clockwise. To decrease amount of hold open force, turn screw counter-clockwise. Maximum of 4 turns.

ELECTRICAL CHECKOUT:

1. With power on, open door completely. Door should remain in open position. If door does not stay open, check electrical input.
2. Push release test switch. Door should close immediately. Open the door to hold-open position and let it remain there.
3. System should be checked at frequent intervals. It is suggested that step 2 be repeated every 90 days.

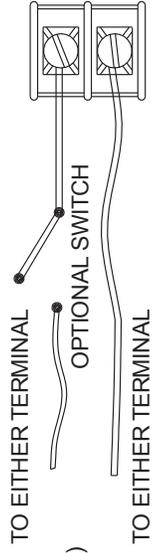
WARNING



HAZARDOUS VOLTAGE CAN SHOCK AND CAUSE SEVERE INJURY
Disconnect power before making any electrical connections or performing maintenance.

WIRING DIAGRAM - POLARITY NOT IMPORTANT

INPUT VOLTAGE:
24V AC/DC OR 120V AC/DC
(usually from alarm panel or detector)



4040SEL { 90° TO 120° HOLD OPEN

AUXILIARY STOP RECOMMENDED

WARNING

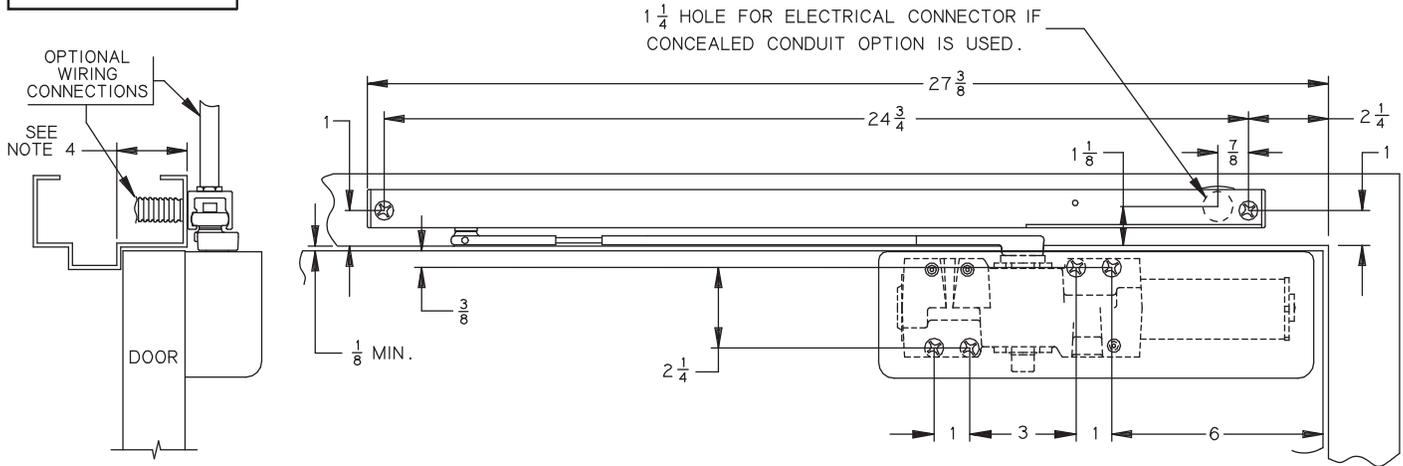


**HAZARDOUS VOLTAGE
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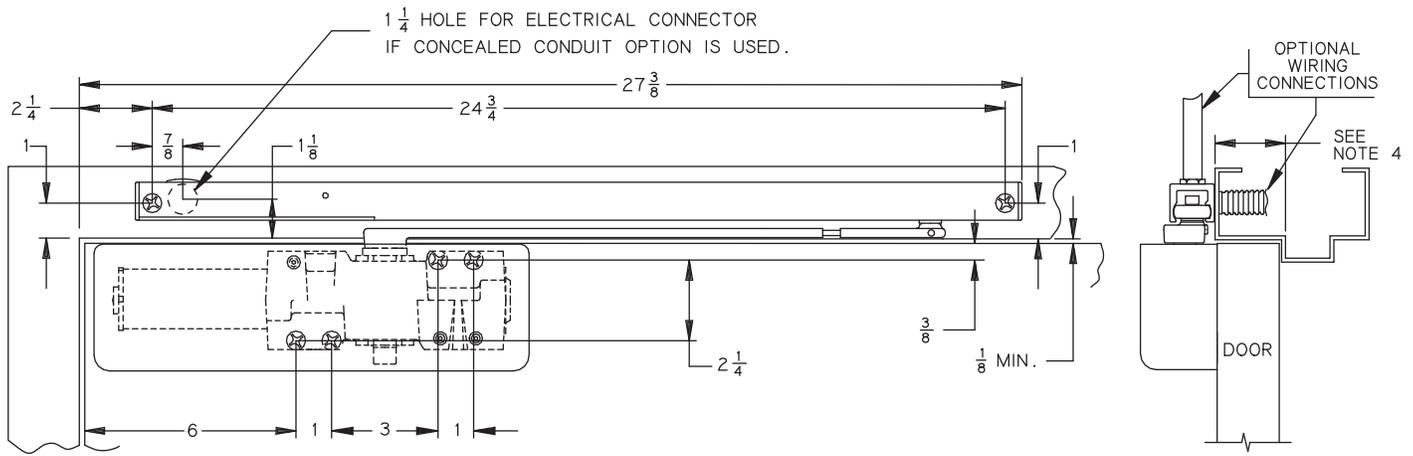
Disconnect power before making any electrical connections or performing maintenance.

DOOR HOLDER SOLENOID DATA

24 VAC - DC Nominal = 10% - 15% @ .090 Amp. Max.
120VAC - DC Nominal = 10% - 15% @ .030 Amp. Max.



TEMPLATING FOR LEFT HAND DOOR



TEMPLATING FOR RIGHT HAND DOOR

NOTES-

1. Voltage supplied to unit **MUST** match voltage shown on Sentronic[®] label.
2. If door is hung on pivots: Locate closer and track from pivot point of center pivot. For offset pivots, locate from pivot point and add 3/8".
3. Floor or wall stops should be used.
4. If this dimension is greater than 1 15/16", consult factory.
5. Reinforcing per ANSI/SDI-100 is recommended for hollow metal doors and frames.
6. If swing clear hinges are being used, consulty factory.

INCH	1/8	1/4	3/8	7/8	15/16	1	1 1/16	1 1/8
M. M.	3	6	10	22	24	25	27	29

INCH	1 1/2	1 15/16	2 1/4	2 7/8	3	3 1/4	6	24 3/4	27 3/8
M. M.	38	49	57	73	76	83	152	619	695

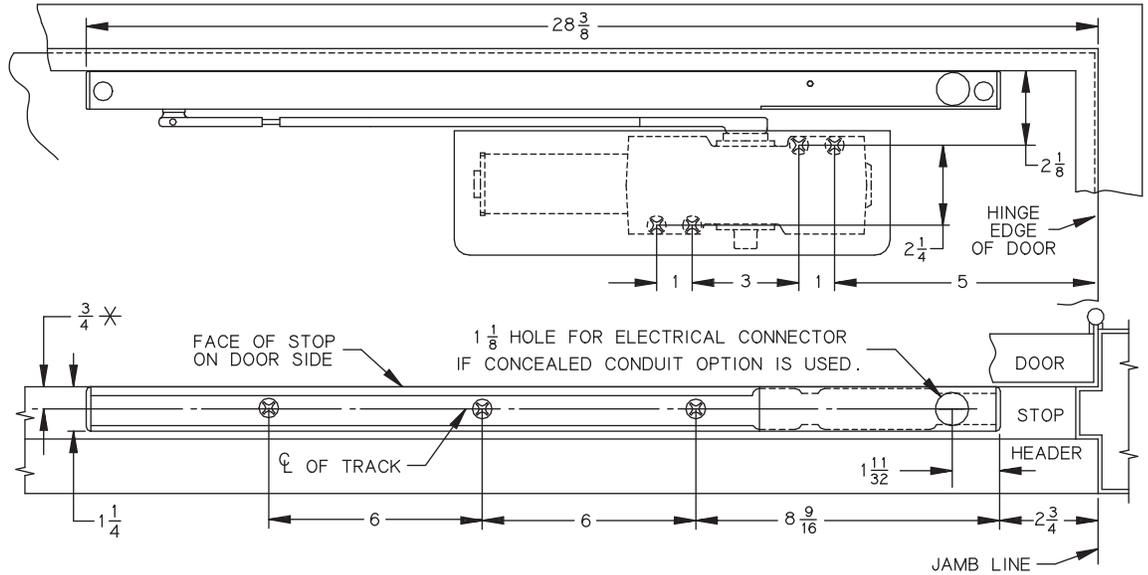
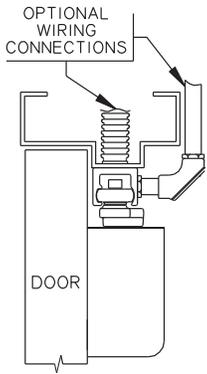
4040SEL
HINGE FACE MOUNTED

4040SEL } 90° TO 120° HOLD OPEN

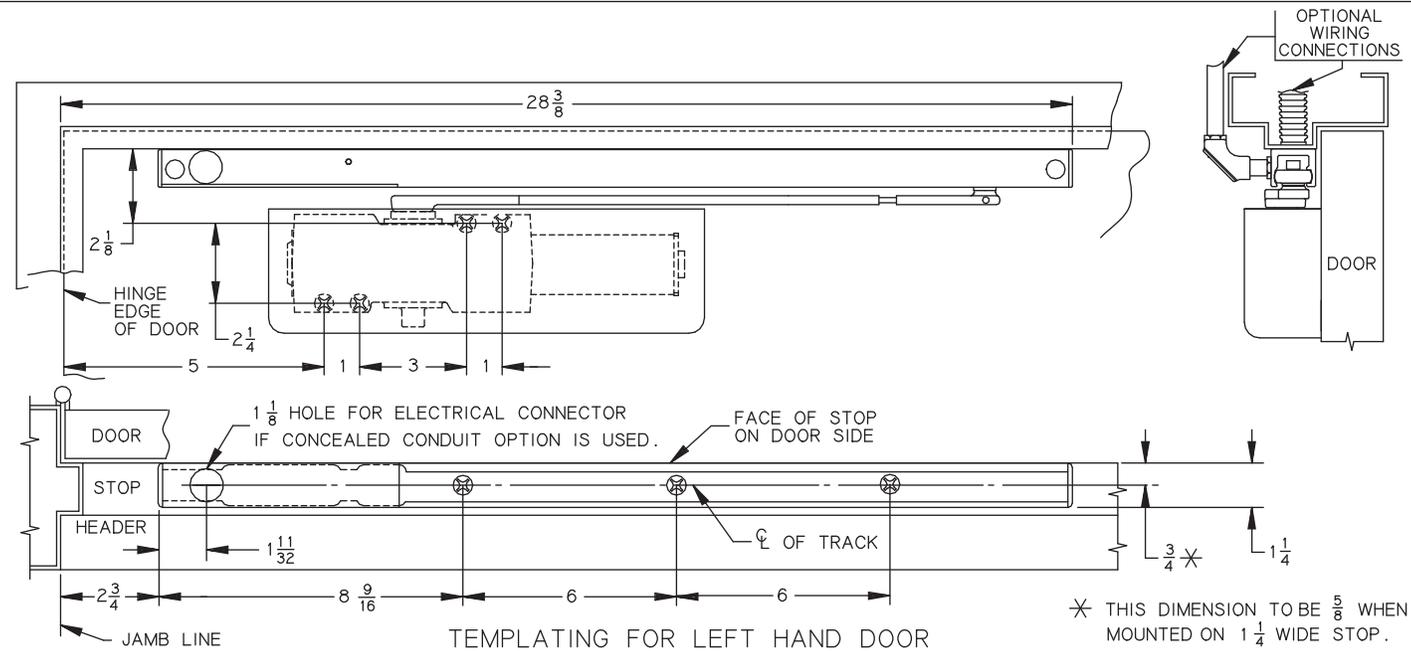
AUXILIARY STOP RECOMMENDED

DOOR HOLDER SOLENOID DATA
 24VAC - DC Nominal =10% - 15% @ .090 Amp. Max.
 120 VAC - DC Nominal =10% - 15% @ .030 Amp Max.

* THIS DIMENSION TO BE $\frac{5}{8}$ WHEN MOUNTED ON $1\frac{1}{4}$ WIDE STOP.



TEMPLATING FOR RIGHT HAND DOOR



* THIS DIMENSION TO BE $\frac{5}{8}$ WHEN MOUNTED ON $1\frac{1}{4}$ WIDE STOP.

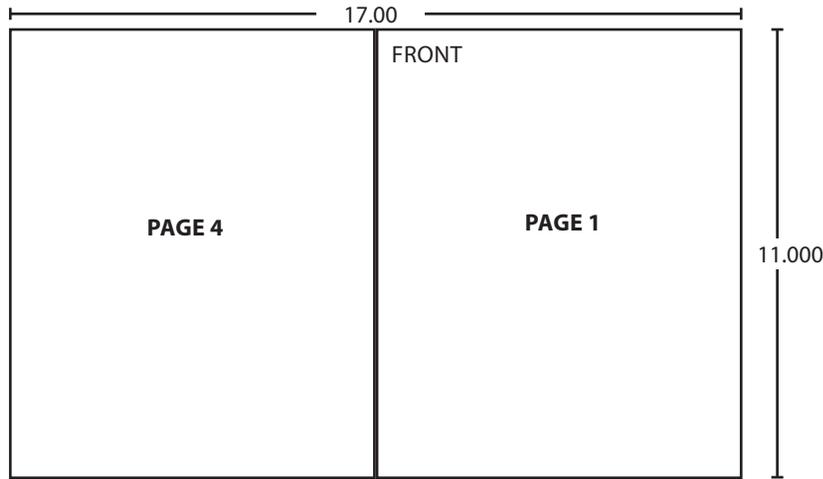
NOTES-

1. Voltage supplied to unit MUST match voltage shown on Sentronic® label.
2. Electrical connector is provided by LCN.
3. Locate closer and track from C of pivot or swing - clear hinge pin, if used.
4. Floor or wall stops should be used.
5. Reinforcing per ANSI\SDI-10Q is recommended for hollow metal doors and frames.

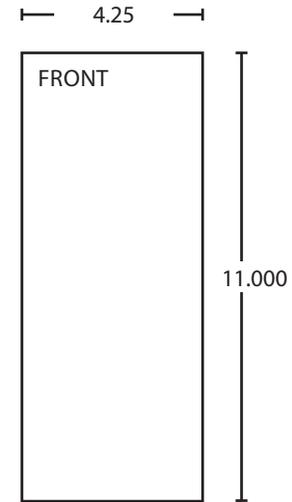
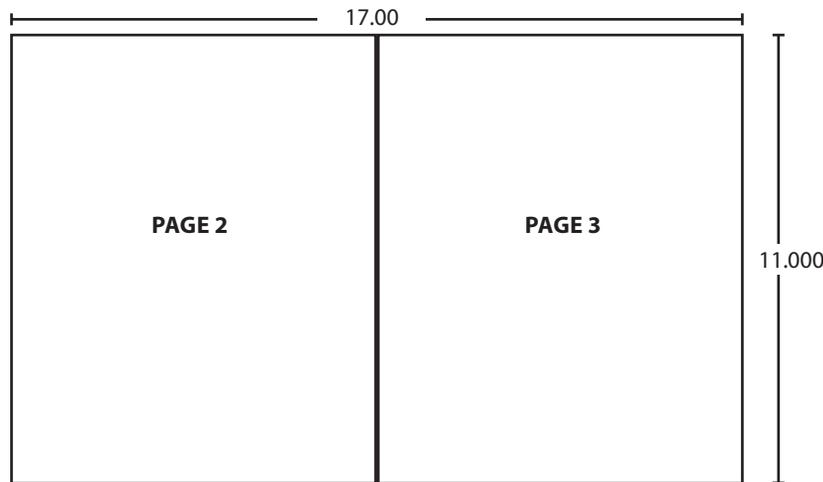
INCH	$\frac{1}{4}$	$\frac{9}{16}$	$\frac{5}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{11}{32}$	$1\frac{1}{2}$
M.M.	6	14	16	25	29	32	34	28

INCH	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{7}{8}$	3	4	5	6	$8\frac{9}{16}$	$28\frac{3}{8}$
M.M.	54	57	73	76	102	127	152	217	721

4040SEL
 STOP-SIDE MOUNTED



BEGINNING SHEET



FOLDED SHEET

Additional Notes:
1. None

Revision History						Revision Description: H > Revised artwork					
H	J	K	L	M	N						
043228											
Material White Paper						Edited By D. Myers		Approved By M. Sasso		EC Number 043228	Release Date 01-01-14
Notes 1. printed two sides 2. printed black 3. tolerance ± .13 4. printed in country may vary 5. drawings not to scale						Title 4040SEL Series Instruction Sheet					
						Creation Date 04-27-10		Number 24191			Revision H
						Created By N/A		Activity 3899 Hancock Expwy Security, CO 80911			
						Software: InDesign CS6					