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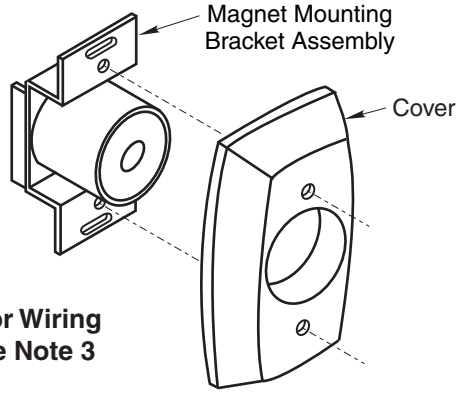
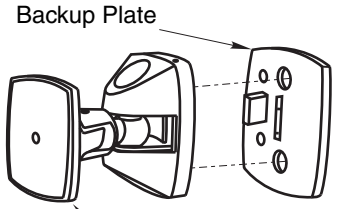
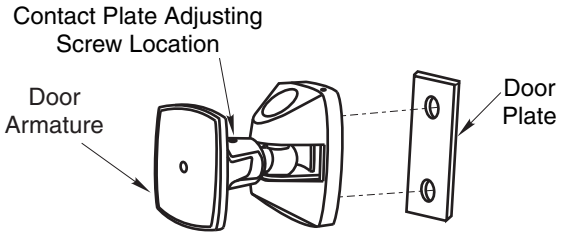
ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.



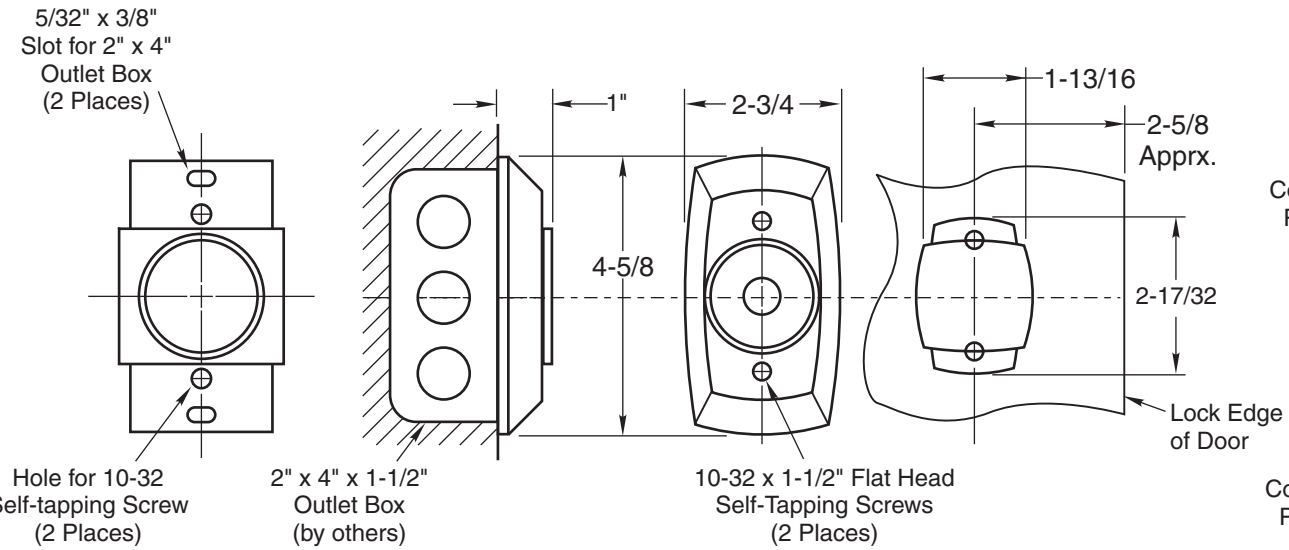
*** For Wiring See Note 3**

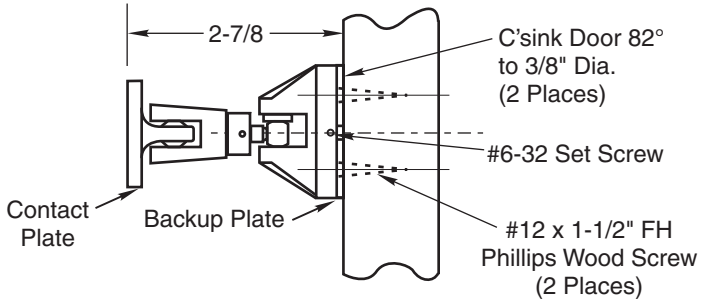


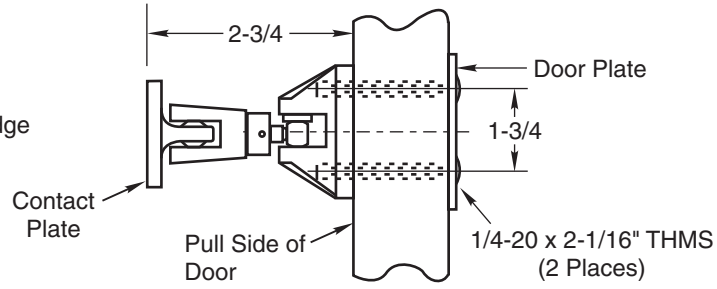
Surface Applied Concealed Mounting
Recommended for Solid Wood Doors Only



Thru Bolt Mounting
Recommended for Hollow Metal, Hollow Core or Composite Type Wood Doors







Notes:
1. Do not scale drawing.
2. Total projection 3-3/4". (Includes electromagnet and armature assembly.)
3. Non-tri voltage magnets have two non-polarized wires to be connected. Tri voltage magnets are connected using a terminal strip on back of magnet. One wire in common and one wire in the appropriate voltage terminal (non-polarized).
4. See Step 1 on template DR100300B for outlet box location. Anchor outlet box to withstand a minimum 50 lb. Pull. Outlet box shown installed in a vertical position.
5. Door closing mechanism should have a 3 lb. Closing force at the degree of door opening where door armature and electromagnet engage.
6. Mounting of outlet box should be reinforced to withstand shock of door opening. Failure to do so will cause box anchors to work loose.
7. All dimensions given in inches. Metric conversion= 25.4 x inch.

FM994 Door Release

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TEMPLATE NUMBER	DATE
DR100300A	02-09

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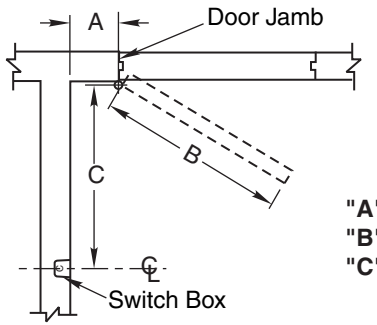
Location of Switch Box

1. To locate switch box use table below.
2. Determine door width (Dim. "B"). Measure pivot centerline to wall (Dim. "A"). Find dimension "C" in table.
   Example:
   Pivot centerline to wall ("A") = 10"
   Door Width ("B") = 36"
   Switch Box Centerline ("C") = 33"
3. If "A" or "B" falls between the numbers listed in table allow for difference.
   Example:
   Pivot centerline to wall ("A") = 17"
   Door Width ("B") = 36"
   Switch Box Centerline ("C") = 30-1/4"
4. If dimensions "A" and "B" intersect in shaded area of table **do not install switch box.** The degree of door opening will not permit proper alignment between armature and wall magnet.
5. Height to be determined by others. Suggested height is 2'0" to 4'0" from floor and/or not over 6'0".
6. Check degree of door opening in table and coordinate with door closers and other door hardware.

Location of Switch Box



"A" – Pivot Centerline to Wall
"B" – Door Width
"C" – Pivot Centerline to Switch Box Centerline

	Door Width "B"																					
DIM.	28		30		32		34		36		38		40		42		44		46		48	
"A"	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg	Dim. "C"	Deg
2	26	90°	28	90°	29-7/8	90°	32	90°	34	90°	36	91°	38	91°	40	92°	42	92°	43-7/8	92°	45-5/8	92°
4	26	93°	28	94°	29-7/8	94°	32	94°	34	94°	36	94°	38	94°	40	94°	42	94°	43-7/8	94°	45-5/8	94°
6	25-5/8	97°	27-5/8	97°	29-5/8	97°	31-3/4	97°	33-3/4	97°	35-3/4	97°	37-3/4	97°	39-3/4	97°	41-3/4	97°	43-5/8	96°	45-3/8	96°
8	25-1/4	103°	27-1/4	103°	29-1/4	103°	31-3/8	101°	33-1/2	100°	35-1/2	100°	37-3/8	100°	39-1/2	99°	41-1/2	99°	43-3/8	98°	45-1/4	98°
10	24-5/8	107°	26-3/4	106°	28-3/4	106°	30-7/8	105°	33	104°	35	103°	37	103°	39-1/8	103°	41-1/8	103°	43	102°	44-7/8	102°
12	23-3/4	113°	25-7/8	111°	28	110°	30-1/8	108°	32-1/4	107°	34-3/8	107°	36-3/8	107°	38-1/2	106°	40-5/8	106°	42-1/2	104°	44-3/8	104°
14	22-3/4	117°	25	115°	27-1/4	114°	29-3/8	113°	31-1/2	112°	33-3/4	110°	35-7/8	109°	38	108°	40	107°	42	106°	43-7/8	106°
16	21-3/4	123°	24	120°	26-1/4	117°	28-1/2	116°	30-3/4	115°	33	114°	35-1/8	113°	37-1/4	112°	39-3/8	112°	41-3/8	110°	43-3/8	108°
18	20	127°	22-1/2	125°	25	123°	27-3/8	120°	29-3/4	117°	32	116°	34-1/4	116°	36-1/2	115°	38-5/8	114°	40-5/8	113°	42-1/2	112°
20	18-1/4	134°	21	130°	23-1/2	127°	26	125°	28-1/2	123°	30-7/8	121°	33-1/8	119°	35-3/8	118°	37-5/8	117°	39-5/8	115°	41-5/8	114°
22			18-3/4	132°	21-5/8	133°	24-3/8	130°	27	127°	29-3/8	125°	31-3/4	123°	34-1/8	121°	36-1/2	120°	38-5/8	118°	40-3/4	116°
24							22-1/2	132°	25-1/2	133°	28-1/8	130°	30-5/8	127°	33-1/8	125°	35-5/8	123°	37-7/8	121°	40	119°
26											26-1/4	132°	29	130°	31-5/8	128°	34-1/4	127°	36-1/2	125°	38-5/8	123°
28															29-3/4	130°	32-1/2	129°	34-7/8	127°	37-1/8	126°
30															27-3/4	132°	30-5/8	134°	33	130°	35-3/8	128°
32																			31-3/8	132°	33-7/8	132°

FM994 Door Release Location Sheet

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TEMPLATE NUMBER	DATE
DR100300B	02-09