RIXSON
ASSA ABLOY

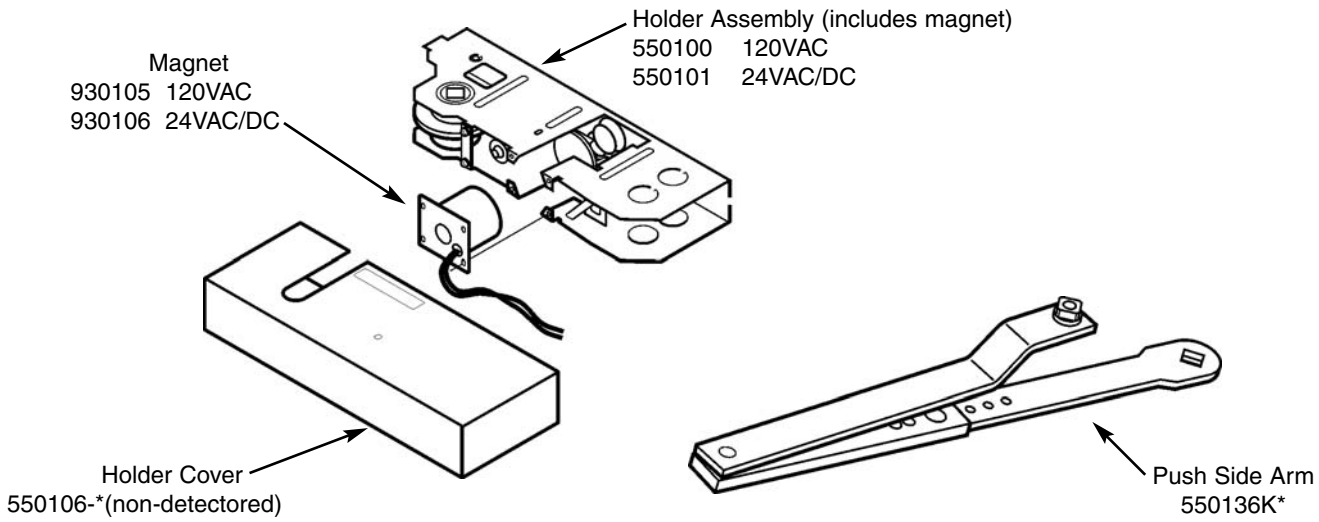
SMOK-CHEK® V

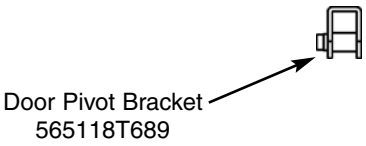
A Fire/Life Safety Holder Product

Model 0101

*85° thru Maximum Degree of Swing
Single Point Hold Open
Not for Use on Doors that will be Manually Closed on a Daily Basis

Push Side Mounting
Independent Closing Means





Left Hand Shown

Screw	Description
01844016	1/4-20 x 1 FLH Allen (1)
02344010-602	Pan HD 1/4-20 x 5/8 (4)
01030	Washer (1)
06344808	FLHD 1/4-20 x 1/2 (1)
02301420-602	#14x1-1/4 PHPWS (2)
02344010-602	1/4-20x5/8 PHPMS (6)
02344012-602	1/4-20x3/4 PNHDSMS (2)

General Information:

Non Handed

Door Hanging Means:

- Standard 4”, 4-1/2”, or 5” Butt Hinges
- 3/4” Offset Pivot
- For other means, contact factory

2” Minimum head frame

For frame face sizes less than 2”, contact factory

Maximum reveal 3-1/2”

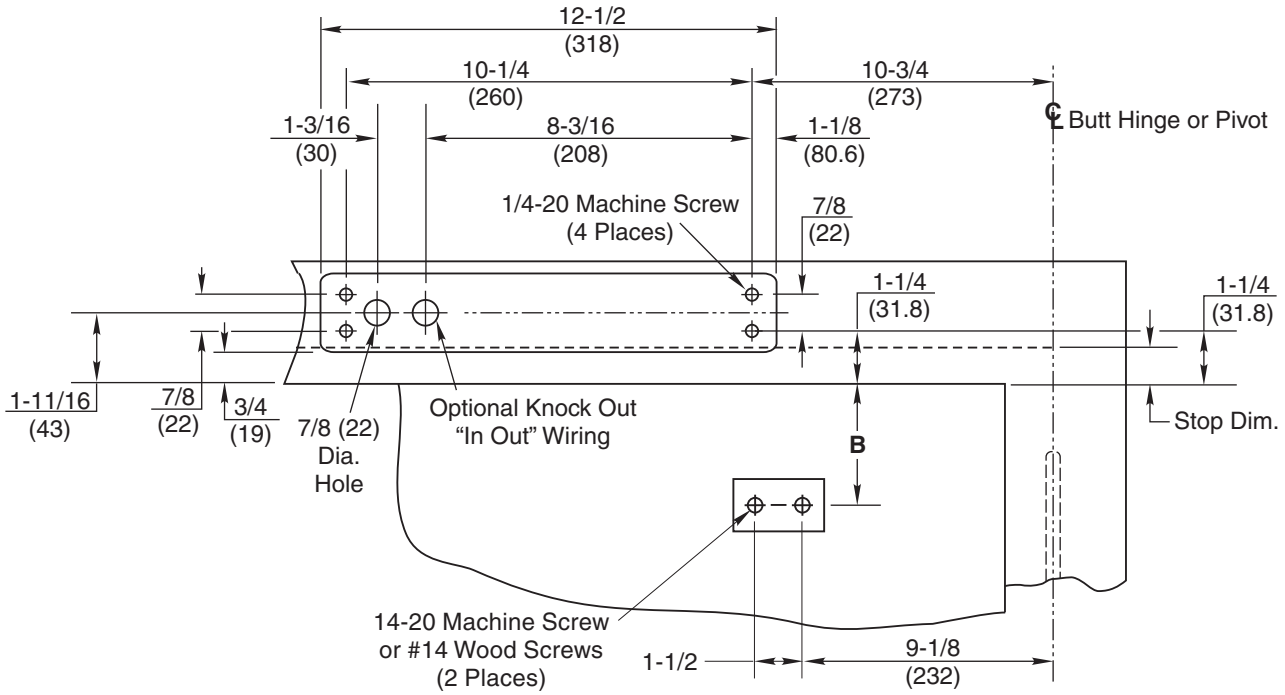
For reveals from 3-1/2 to 7”, use arm 550789

*For hold-open from 105° - 180°, use arm 550789

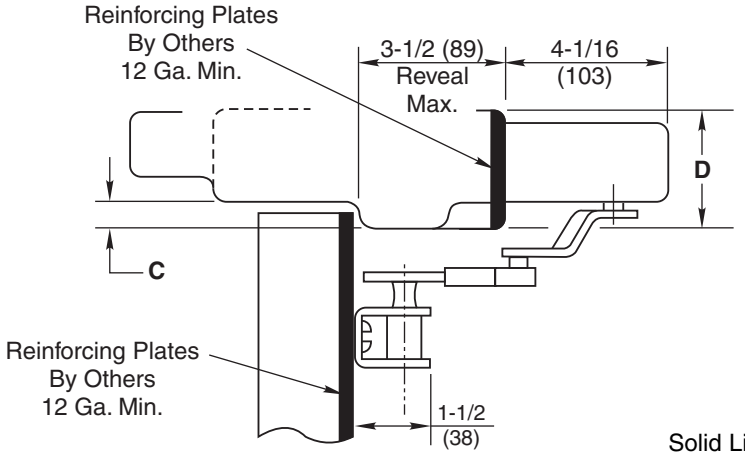
Door Closing Device by others

Mounting Hole Locations

- Right hand shown
- Door hanging means: 4", 4-1/2", 5" Butts or 3/4" Offset Pivots
- All dimensions given in inches (mm)



Stop Dim	B
1/2 (12.7)	1-3/4 (44.5)
5/8 (16)	1-7/8 (47.7)



For Frame Less Than
Shown On Chart
Consult Factory

C	D
1/2 (12.7)	2-1/2 (63.5)
5/8 (16)	2-5/8 (67)

Solid Line Represents Double Egress Frame
Dotted Line Represents Standard Double Rabbeted Frame

1. Mounting Holder

A. Layout & prepare screw holes.
B. Remove appropriate knock out in Smok-Chek & attach 3/8" (9.5) conduit fitting. (Fig. 1a)
C. Push conduit back into frame.
D. Attach holder with (6) 1/4-20 x 5/8 pan HD screws – tighten securely.
E. Attach arm to holder with (1) 1/4-20 x 1 FHD allen screw. (Fig. 1b)

Fig. 1b

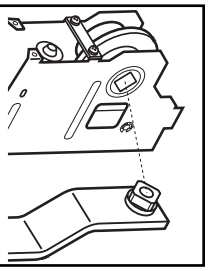
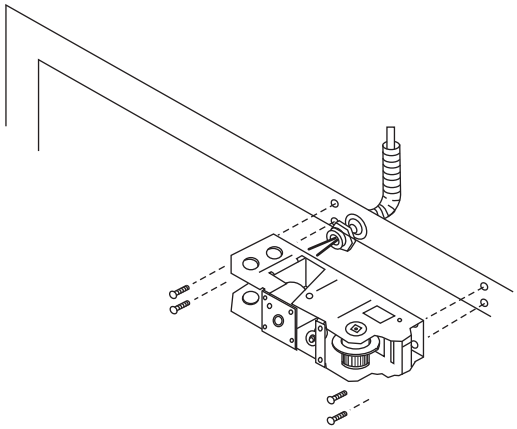


Fig 1a



CAUTION: SQUARE ON ARM MUST BE INSERTED AND TIGHTENED INTO HOLDER VERY SECURELY BEFORE ARM IS ATTACHED TO SPINDLE OF CLOSER.

2. Mounting Door Pivot Bracket

A. Mount door bracket to door and fasten with two 1/4-20x1/2" RDH or #14x1-1/4 Pan HD screws.
B. Slide bracket arm into holder arm.
C. Attach arm to bracket spindle with washer and 1/4-28x1/2" FLH screws. (Fig. 2a)
D. Position arm as per suggested arm settings listed in chart. (Fig. 2b)
E. Assemble holder and bracket arms together with the 1/4-20x5/16" RDH screws.

Fig 2a

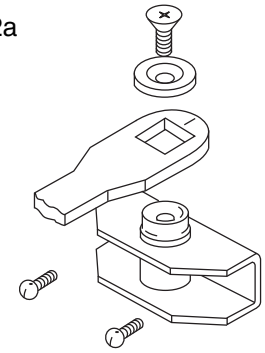


Fig 2b

Arm Setting No. 18

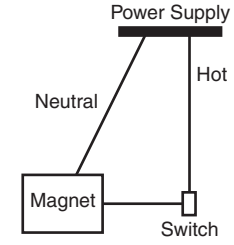
Door Hanging Means	Arm Settings	
	85°/135°	130°/180°
4" Wide Butts	17	16
4-1/2" Wide Butts	18	16
5" Wide Butts	19	16
Swing Clear	17	-
3/4" Offset Pivot	18	16

<u>BEFORE BEGINNING WIRING, INSTALLER MUST BE GROUNDED!</u>

3. Electrical Wiring

Field Wires should be 18ga OR as required by local code

A. Connect switch – in series – with HOT lead of electromagnet.



Note:
120vAC draws .018 amp
24vAC/DC draws .091 amp

4. Making Adjustments to the Holder

A. Closer spring force should be as low as possible. (Closer should arrive at lowest setting).
B. Turn **OFF** Power (using ON/OFF switch).
C. To set Hold Open:
   1. Door should be in **CLOSED** position.
   2. Raise or lower cam until the word “Push” is displayed from the **UNDERSIDE** of the unit (Fig 4a).
   3. Open door to desired Hold Open position.
   4. Raise or lower cam and **ROTATE** until pocket of cam is in position next to Roller A shown in Fig 4b
   5. Release cam to re-engage teeth.
   6. Turn **ON** power (using ON/OFF switch).
   7. **OPEN DOOR.** Door should stay in Hold Open position–if not, repeat Steps 3 and 4.
   8. Pull door **OUT** of Hold Open–door should close freely.
   9. **OPEN DOOR**. If releasing force needs to be increased, turn adjusting nut **IN.** If lesser holding force is desired, turn nut **OUT**.
   10. Attach holder cover.

Fig 4a

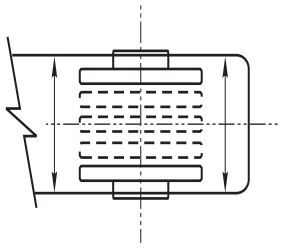
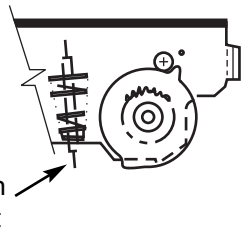


Fig 4b



Trouble-Shooting Tips:

1. Turn ON power.
2. Can door swing far enough to engage hold open? Minimum opening is 85°.
3. Make sure closer is at lowest spring setting.
4. Put piece of metal against the magnet to make sure it is receiving current.
5. If not, double check wiring instructions.
6. If so, with door in closed position look up at holder mechanism. Word PUSH should be visible, if not, adjust cam.
7. Turn adjusting nut.
8. Check arm indexing.

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