

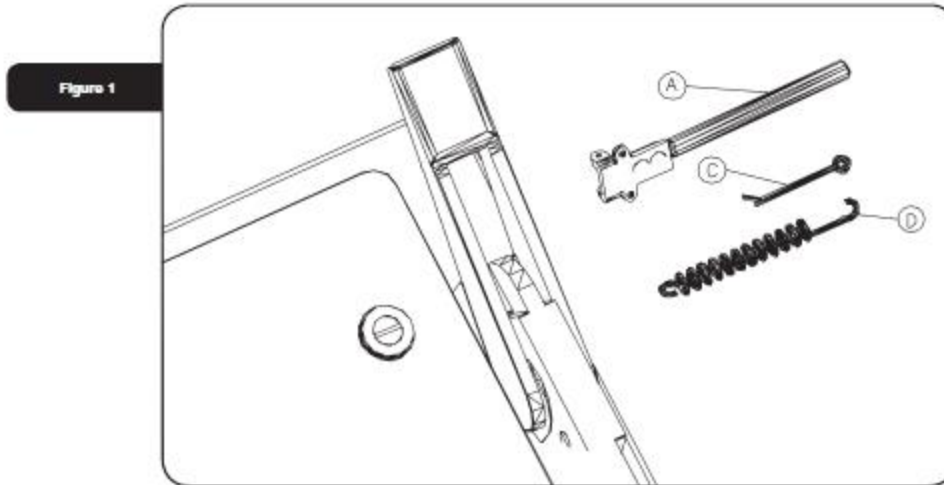
Package Includes: Enclosures with Disconnect Handle Attached, Threaded rod (A), Extension Spring (D) And Cotter Pin (C), **Note:** Back Plate Not Included.

Tools Required: Slotted Screw driver, Pliers, Transfer Punch and Hammer.

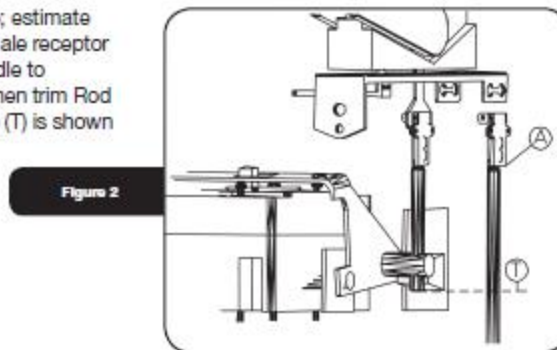
Approximate Assembly Time: 30 Minutes.

**Note:** Figures 2-7 & Figures 9 are shown without enclosure for ease of viewing inner contents.

1. Remove all contents from package, before continuing make sure all components are there (see FIG. 1).



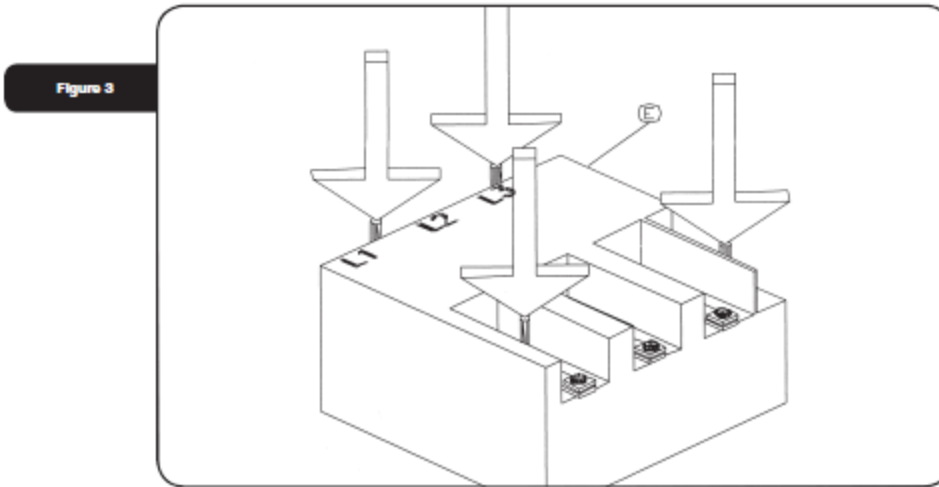
2. Hold Threaded Rod (A) up to the enclosure; estimate length required to attach Rod (A) from female receptor On underside of Disconnect/Breaker handle to Disconnect or Breaker Yoke component then trim Rod (A) to appropriate length. Estimate trimline (T) is shown in FIG 2.



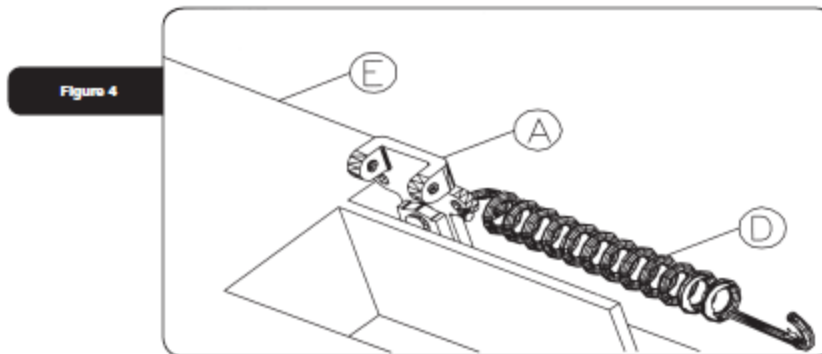
3. Set Breaker or Disconnect in desired location on the backplate of the enclosure.

**Note:** Threaded Rod must drop perpendicular from handle to Breaker.

4. Mark Disconnect (E) or Breaker mounting hole locations onto backpanel using a transfer punch and hammer (see FIG. 3).

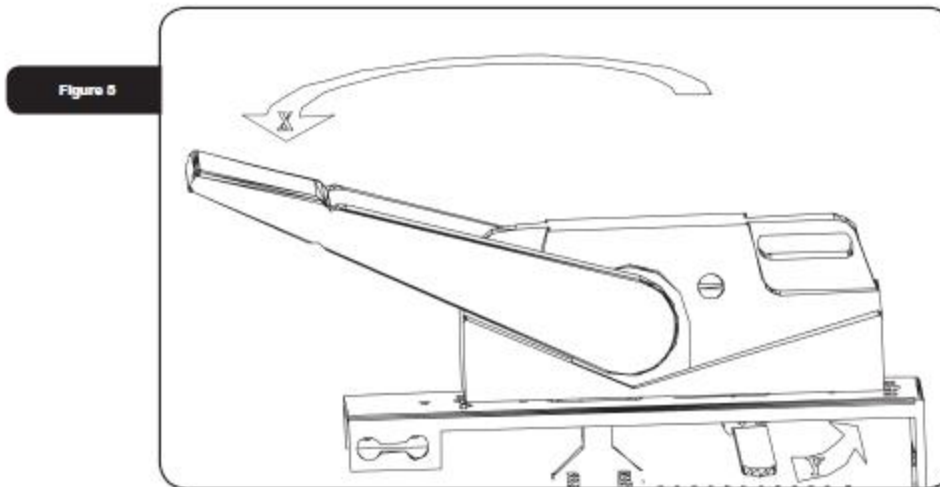


5. Remove Disconnect (E) or Breaker from Enclosure.
6. Drill and tap previously marked mounting hole locations on the backplate.
7. Thread Rod (A) into Breaker Yoke or Disconnect (E) with enough of the threads exposed.
8. With male prongs of the Threaded Rod (A) facing you, attach closed end of the extension spring (D) to the right ear (see FIG. 4).

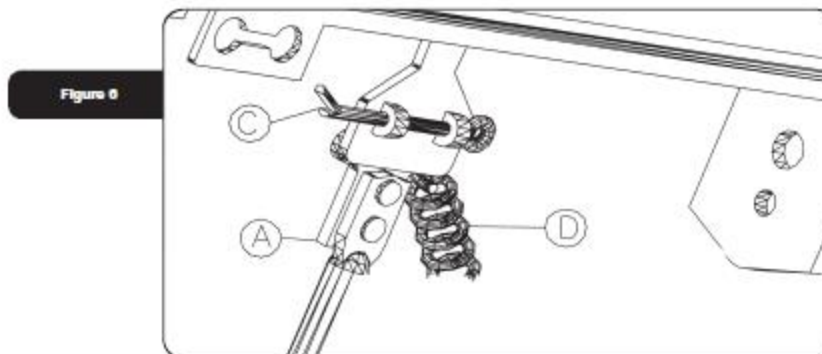


9. Place Breaker (E) or Disconnect in the enclosure with the male prongs of Rod (A) facing enclosure opening.

10. While pulling catch back, move Disconnect handle to "ON" position. (see FIG. 5).

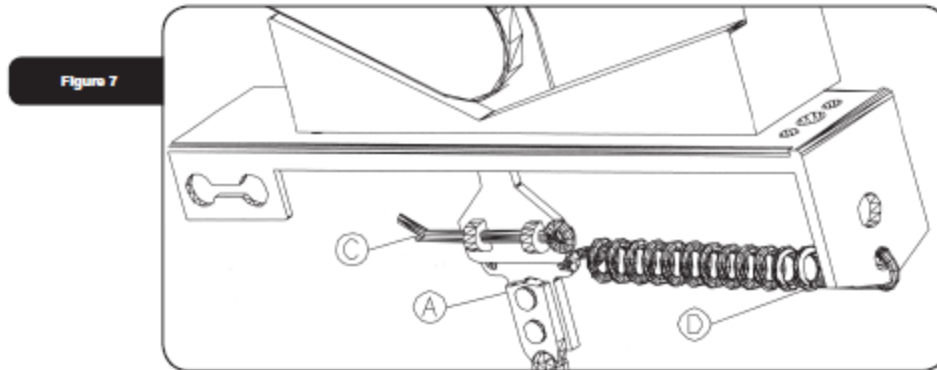


11. Slide male prongs of Rod (A) through female receptor on underside of handle. Secure with Cotter Pin (C). (See FIG. 6 and 9 PT: C)



12. Secure Disconnect (E) or Breaker handle to backpanel of enclosure – at this time using mounting screws (B) supplied with Disconnect (E) or Breaker. (See FIG. 9 PT: B)

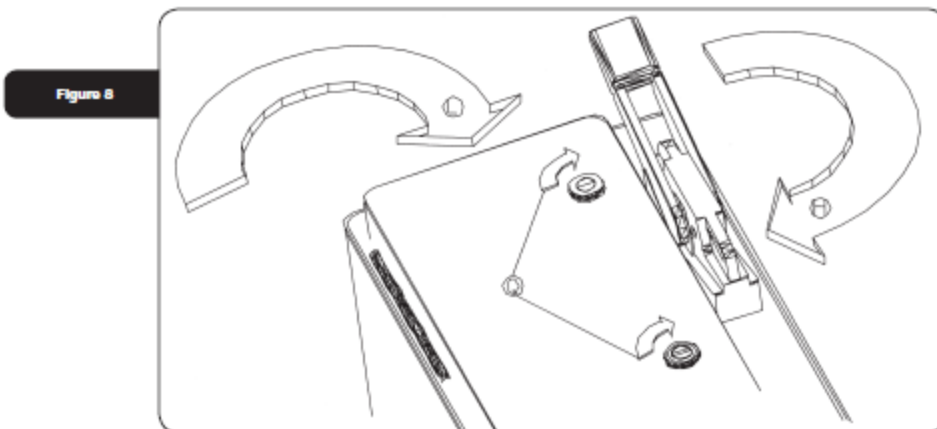
13. Attach open end of spring (D) to the lower hole on the far end of handle bracket. (See FIG. 7).



14. Move disconnect handle to off position. (See FIG. 8: PT. H)

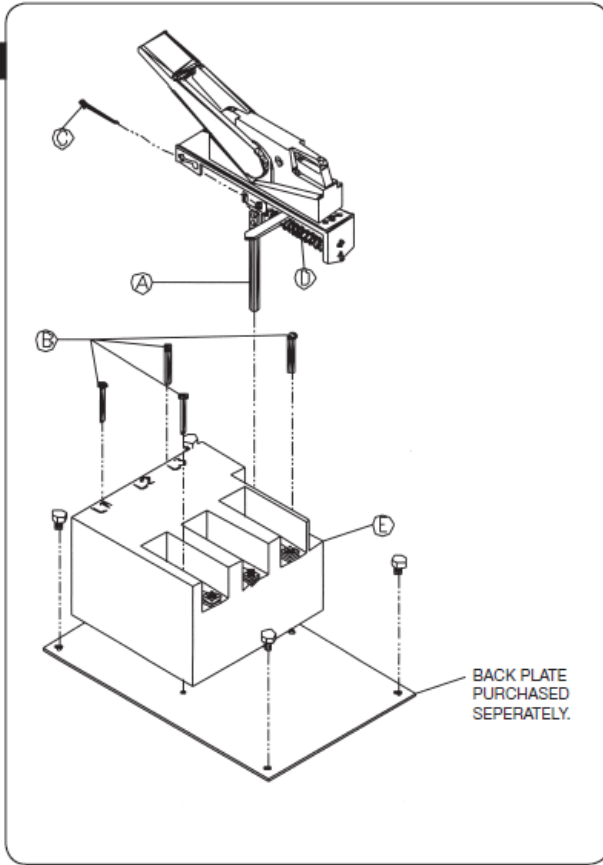
15. Close enclosure lid. (See FIG. 8: PT. L)

16. Lock quarter turn latches to seal cover. (See FIG. 8: PT. Q)

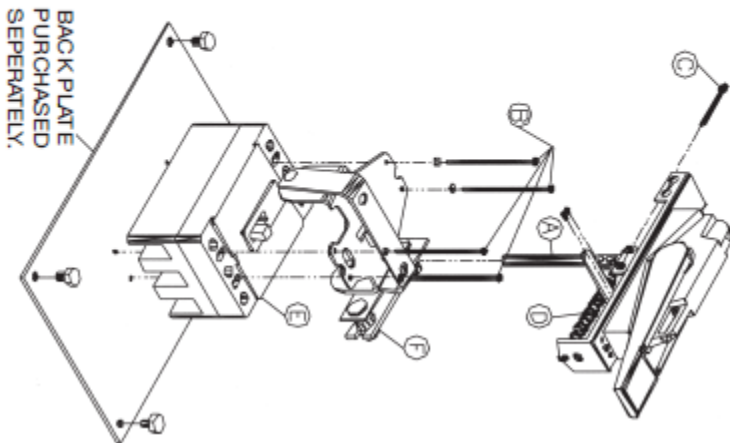


17. With the disconnect handle in the "on" position and the quarter turn latches in the "unlocked" position and the enclosure completely de-energized. Test to insure safety door innerlock works properly by gently trying to open enclosure door. (Door should not open)

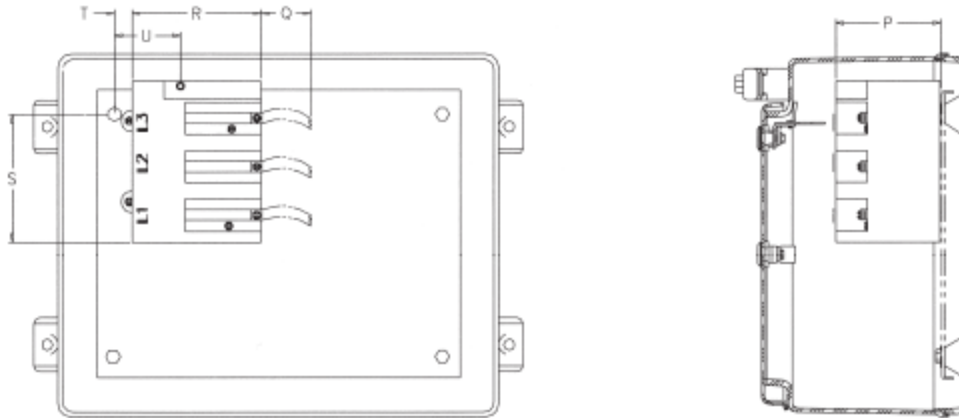
Figure 9



CIRCUIT BREAKER EXPLODED (FIG. 9)



ALLEN-BRADLEY/SQUARE D DISCONNECT TECHNICAL DRAWING



ALLEN-BRADLEY DISCONNECT TECHNICAL CHART

MIN. REQUIRED ENCLOSURE SIZE	DISCONNECT SIZE	FUSE CLASS	U*	S*	T*	R	Q**	P
1610	30-60AMP, 240VW	UNFUSED	3.40 (86)	7.43 (189)	1.60 (41)	6.30 (160)	7.53 (191)	5.50 (140)
2412	100AMP, 240V	UNFUSED	5.16 (131)	6.37 (162)	1.64 (42)	6.30 (160)	7.53 (191)	5.50 (140)
1610	30AMP, 240V	H, K, R	3.40 (86)	7.43 (189)	1.60 (41)	7.62 (193)	8.06 (205)	5.50 (140)
1610	30AMP, 600V	H, K, R	3.40 (86)	7.43 (189)	1.60 (41)	10.39 (264)	5.31 (135)	5.50 (140)
1610	30AMP, 600V	J	3.40 (86)	7.43 (189)	1.60 (41)	7.62 (193)	1.06 (27)	5.50 (140)
1610	60AMP, 240V	H, K, R	3.40 (86)	7.43 (189)	1.60 (41)	8.39 (213)	7.31 (186)	5.50 (140)
1610	60AMP, 600V	H, K, R	3.40 (86)	7.43 (189)	1.60 (41)	10.90 (277)	4.81 (122)	5.50 (140)
1610	60AMP, 600V	J	3.40 (86)	7.43 (189)	1.60 (41)	7.76 (197)	7.94 (202)	5.50 (140)
2412	100AMP, 240V	H, K, R	5.16 (131)	6.37 (162)	1.64 (42)	12.04 (306)	3.56 (90)	5.63 (143)
2412	100AMP, 600V	H, K, R	5.16 (131)	6.37 (162)	1.64 (42)	14.04 (356)	3.56 (90)	5.63 (143)
2412	100AMP, 600V	J	5.16 (131)	6.37 (162)	1.64 (42)	10.79 (274)	3.56 (90)	5.63 (143)

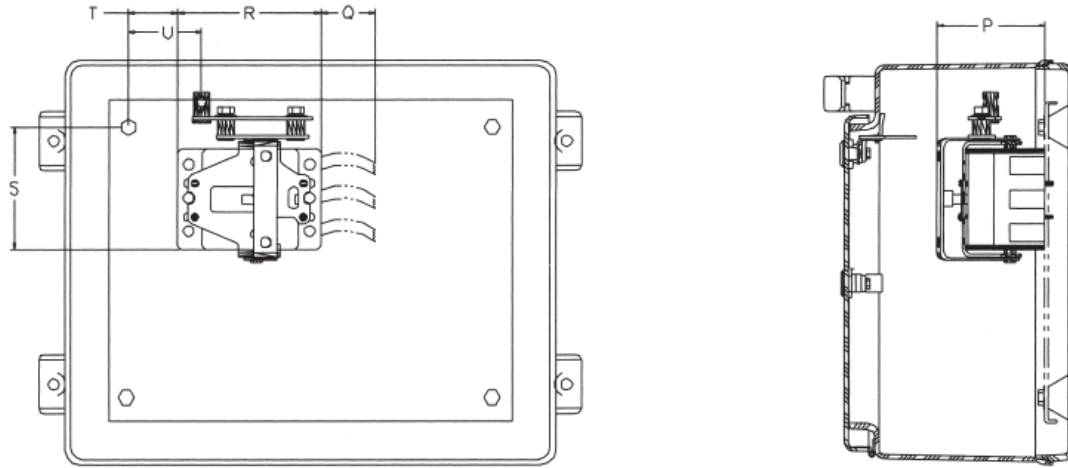
\* DIMENSIONS S, T, & U ARE TAKEN FROM MINIMUM REQUIRED ENCLOSURE SIZES  
 \*\* FOR 100A, 600V SWITCH USING 60A, 600V, J FUSE ADD 2" TO DIM. U  
 \*\*\* WIRE BENDING SPACE TO LOAD LUGS

SQUARE D DISCONNECT TECHNICAL CHART

MIN. REQUIRED ENCLOSURE SIZE	DISCONNECT SIZE	FUSE CLASS	U*	S*	T*	R	Q**	P
1610	30-60AMP, 240V	UNFUSED	3.40 (86)	7.14 (181)	.70 (18)	8.80 (224)	3.50 (89)	4.00 (102)
2412	100AMP, 240V	UNFUSED	5.16 (131)	6.07 (154)	2.46 (63)	8.80 (224)	5.75 (146)	5.10 (130)
1610	30AMP, 240V	H, K, R	3.40 (86)	7.14 (181)	.70 (18)	7.03 (179)	3.50 (89)	4.00 (102)
1610	30AMP, 600V	H, K, R	3.40 (86)	7.14 (181)	.70 (18)	9.65 (245)	3.50 (89)	4.00 (102)
1610	30AMP, 600V	J	3.40 (86)	7.14 (181)	.70 (18)	7.03 (179)	3.50 (89)	4.00 (102)
1610	60AMP, 240V	H, K, R	3.40 (86)	7.14 (181)	.70 (18)	7.65 (194)	3.50 (89)	4.00 (102)
1610	60AMP, 600V	H, K, R	3.40 (86)	7.14 (181)	.70 (18)	10.15 (258)	3.50 (89)	4.00 (102)
1610	60AMP, 600V	J	3.40 (86)	7.14 (181)	.70 (18)	7.03 (179)	3.50 (89)	4.00 (102)
2412	100AMP, 240V	H, K, R	5.16 (131)	6.07 (154)	2.46 (63)	9.85 (250)	5.75 (146)	5.10 (130)
2412	100AMP, 600V	H, K, R	5.16 (131)	6.07 (154)	2.46 (63)	11.85 (301)	5.75 (146)	5.10 (130)
2412	100AMP, 600V	J	5.16 (131)	6.07 (154)	2.46 (63)	9.85 (250)	5.75 (146)	5.10 (130)

\* DIMENSIONS S, T, & U ARE TAKEN FROM MINIMUM REQUIRED ENCLOSURE SIZES  
 \*\* WIRE BENDING SPACE TO LOAD LUGS

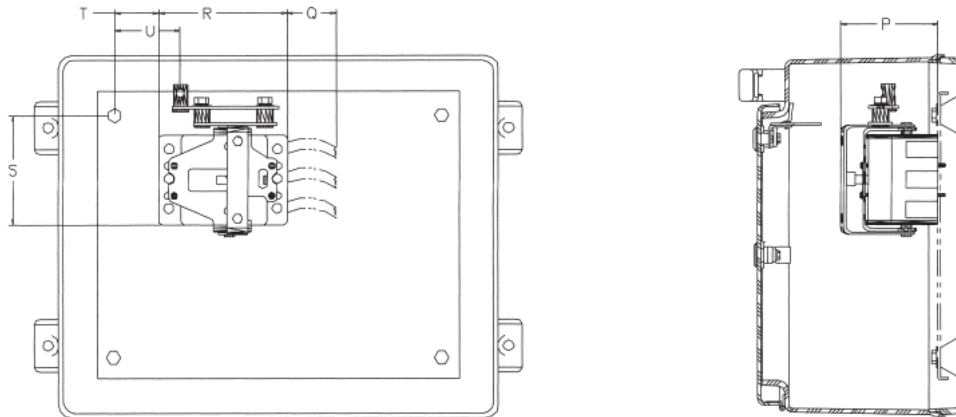
### WESTINGHOUSE CIRCUIT BREAKER TECHNICAL DRAWING



WESTINGHOUSE CIRCUIT BREAKERS TECHNICAL CHART							
MIN. REQUIRED ENCLOSURE	BREAKER SIZE	U*	S*	T*	R	Q**	P
2412	100 AMP FRAME	5.16 (131)	4.94 (125)	4.16 (106)	6.00 (152)	7.53 (191)	4.38 (111)
3024	250 AMP FRAM	9.91 (252)	4.19 (106)	9.69 (246)	10.00 (254)	11.75 (298)	5.25 (133)

\* DIMENSIONS S, T, & U ARE TAKEN FROM MINIMUM REQUIRED ENCLOSURE SIZES  
 \*\* WIRE BENDING SPACE TO LOAD LUGS

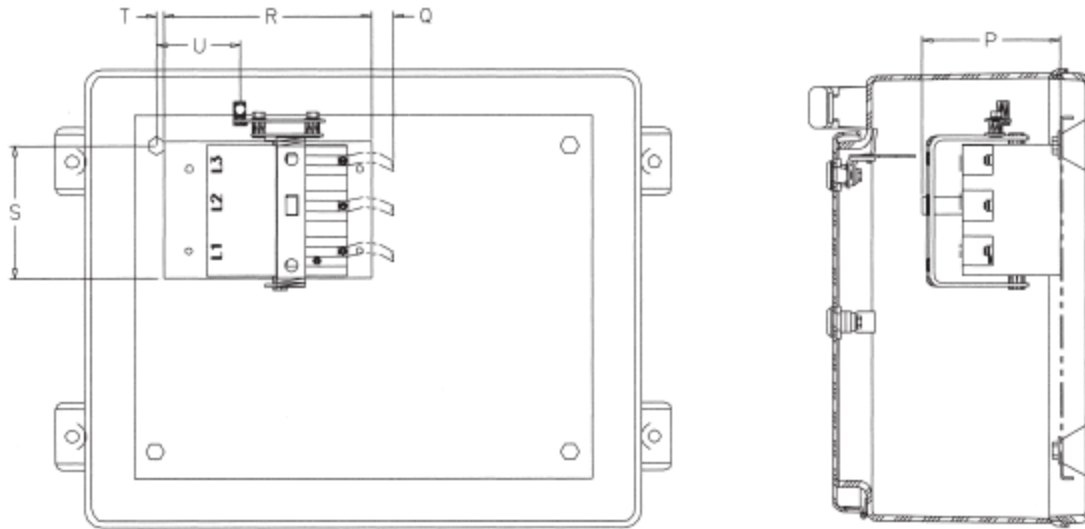
### SQUARE D CIRCUIT BREAKER TECHNICAL DRAWING



SQUARE D CIRCUIT BREAKERS TECHNICAL CHART							
MIN. REQUIRED ENCLOSURE	BREAKER SIZE	U*	S*	T*	R	Q**	P
2412	100 AMP FRAME	5.16 (131)	4.94 (125)	4.16 (106)	6.00 (152)	7.53 (191)	4.38 (111)
3024	250 AMP FRAM	9.91 (252)	4.19 (106)	9.69 (246)	10.00 (254)	11.75 (298)	5.25 (133)

\* DIMENSIONS S, T, & U ARE TAKEN FROM MINIMUM REQUIRED ENCLOSURE SIZES  
 \*\* WIRE BENDING SPACE TO LOAD LUGS

## GE DISCONNECT TECHNICAL DRAWING



### GENERAL ELECTRIC DISCONNECT TECHNICAL CHART

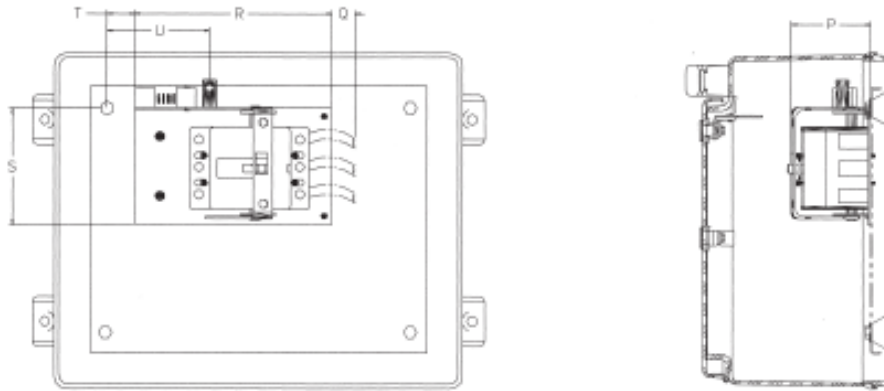
MIN. REQUIRED ENCLOSURE SIZE	DISCONNECT SIZE	FUSE CLASS	U*	S*	T*	R	Q**	P
2412	30-100AMP, 240V	UNFUSED	5.16 (131)	5.06 (129)	1.24 (32)	9.69 (246)	1.75 (44)	6.50 (165)
3024	200AMP, 240V	UNFUSED	9.91 (252)	8.21 (209)	6.97 (177)	9.84 (250)	11.78 (299)	6.50 (165)
2412	30AMP, 240V	H, R	5.16 (131)	5.06 (129)	1.24 (32)	9.69 (246)	1.75 (44)	6.50 (165)
2412	30AMP, 600V	H, R	5.16 (131)	5.06 (129)	1.24 (32)	14.23 (361)	3.50 (89)	6.50 (165)
2412	30AMP, 600V	J	5.16 (131)	5.06 (129)	1.24 (32)	14.23 (361)	3.50 (89)	6.50 (165)
2412	60AMP, 240-600V	H, R	5.16 (131)	5.06 (129)	1.24 (32)	14.23 (361)	3.50 (89)	6.50 (165)
2412	60AMP, 600V	J	5.16 (131)	5.06 (129)	1.24 (32)	14.23 (361)	3.50 (89)	6.50 (165)
2412	100AMP, 240-600V	H, R	5.16 (131)	5.06 (129)	1.24 (32)	14.23 (361)	5.75 (146)	6.50 (165)
2412	100AMP, 600V	J	5.16 (131)	5.06 (129)	1.24 (32)	14.23 (361)	5.75 (146)	6.50 (165)
3024	200AMP, 240V	H, R	9.91 (252)	8.21 (209)	6.97 (177)	9.84 (250)	11.78 (299)	6.50 (165)
3024	200AMP, 600V	H, R	9.91 (252)	8.21 (209)	6.97 (177)	18.19 (462)	11.78 (299)	6.50 (165)

\* DIMENSIONS S, T, & U ARE TAKEN FROM MINIMUM REQUIRED ENCLOSURE SIZES

\*\* WIRE BENDING SPACE TO LOAD LUGS



### GE CIRCUIT BREAKER TECHNICAL DRAWING



### GE CIRCUIT BREAKERS TECHNICAL CHART

MIN. REQUIRED ENCLOSURE	BREAKER SIZE	U*	S*	T*	R	Q**	P
2412	100 AMP FRAME	5.16 (131)	4.94 (125)	4.16 (106)	6.00 (152)	7.53 (191)	4.38 (111)
3024	250 AMP FRAM	9.91 (252)	4.19 (106)	9.69 (246)	10.00 (254)	11.75 (298)	5.25 (133)

\* DIMENSIONS S, T, & U ARE TAKEN FROM MINIMUM REQUIRED ENCLOSURE SIZES

\*\* WIRE BENDING SPACE TO LOAD LUGS