

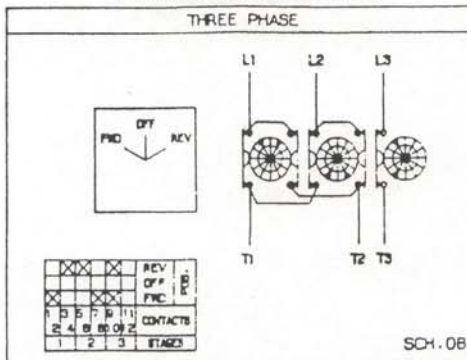
## THREE PHASE REVERSING DRUM SWITCHES

208-230-460VAC, 60Hz 190-220-415VAC, 50Hz

A. 1708/S35-A. 1708/SRC/S35-A. 2508/S35-A. 2508/SRC/S35-A. 3208//S35-A. 3208/SRC/S35

NOTE: All models listed are for three phase operation only. Units cannot be used on single phase or direct current (DC) applications.

### WIRING DIAGRAMS



Jumpers are not changed. They remain in the same position for 200-208-230-460VAC operation.

## INSTALLATION

### SINGLE AND THREE PHASE SWITCH

Remove switch and bag of parts from carton. Wire the switch per the appropriate single or three phase wiring diagram.

If cords are used, for wiring, put one (1) cord through each of the water tight cable glands and tighten securely (by hand) to the cord. Place one cable gland into each hole in bottom of box and affix to box with jam nut-tighten securely by hand.

Mount switch in box, make sure the shaft seal is inserted properly. Place o ring seals on switch mounting screws, place screws through the two box holes and into holes in switch face-tighten the two screws.

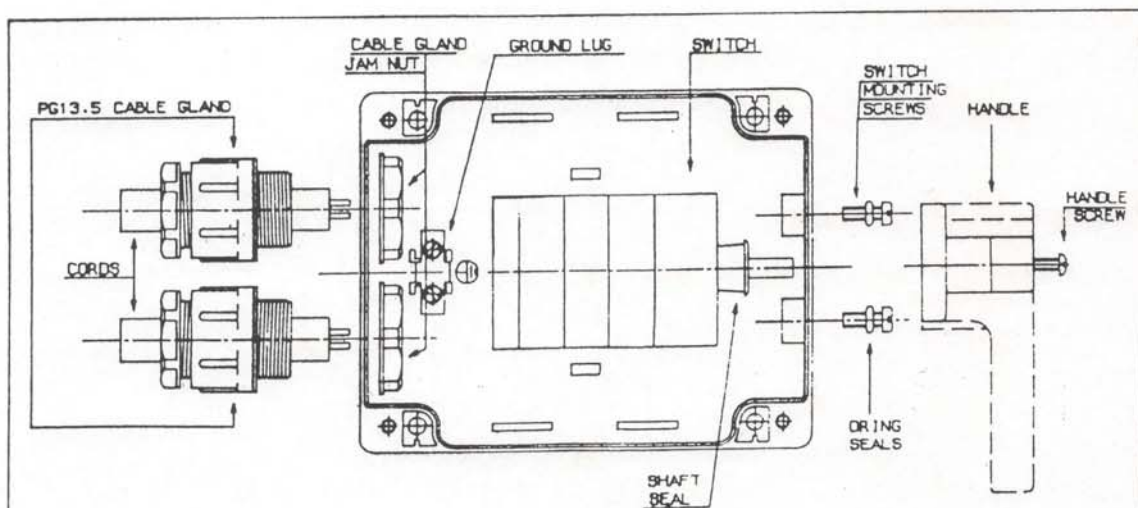
Insert ground lug in box bottom-connect green ground wire to ground lug.

Locate where the box is to be mounted and drill four holes in rear of box bottom (3/16 inch diameter screws are adequate for mounting). To seal box from water entry through screw holes, cover screw heads and holes thoroughly with RTV.

Place cover on box, insert and tighten 4 cover screws to seal the cover. Make sure cover gasket is in box recess to avoid gasket being pinched or cut.

Press handle (by hand) on the shaft-insert screw in handle and tighten.

Affix desired decal on front of box cover.



WIRE SIZE

SCREW TERMINAL  
TIGHTENING TORQUE

A.1734  
A.2534  
A.3234

AWG 18 min - 12 AWG max  
AWG 16 min - 10 AWG max  
AWG 16 min - 10 AWG max

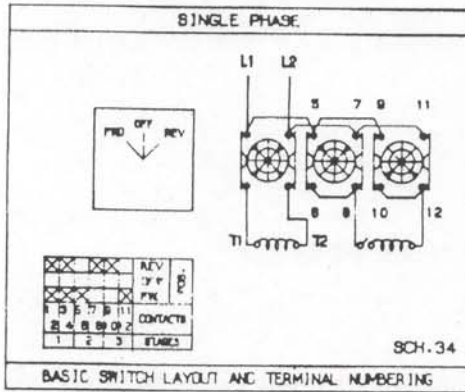
11 (lb.In)  
17.5 (lb.In)  
18 (lb.In)

NOTE: All models listed above can be used for single phase operation only, 115, 208 or 230VAC, 60Hz and 110 or 220V, 50Hz, they cannot be used on three phase or direct current (DC) power applications.

NOTE: Motors must be reversible rotation.

Unit is shipped set up for a 4 lead single voltage (115, 208 or 230VAC) motor operation. For 5, 6, 7, 8, 9 lead single phase motors refer to wiring diagrams.

WIRING DIAGRAMS



Power leads are wired to L1 and L2 terminals on switch. Motor leads are wired to switch terminals. (MOTORS MUST BE REVERSIBLE)

4 LEAD	
MOTOR LEADS	SWITCH TERMINALS
T1	T1
T4	T2
T8	8
T5	12

5 LEAD-THERMALLY PROTECTED	
MOTOR LEADS	SWITCH TERMINALS
P1	T1
T1	5
T4	T2
T5	12
T8	8

REMOVE JUMPER FROM L1 TO 5 ON SWITCH

6 LEAD-NOT THERMALLY PROTECTED-HIGH VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
T1	T1
T2	5
T3	5
T4	T2
T8	8
T5	12

REMOVE JUMPER FROM L1 TO 5 ON SWITCH

6 LEAD-NOT THERMALLY PROTECTED-LOW VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
T1	T1
T2	T2
T3	5
T4	T2
T8	8
T5	12

7 LEAD-THERMALLY PROTECTED-HIGH VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
P1	T1
T2	5
T3	5
T4	T2
T8	8
T5	12
P2	[INSULATE SEPARATELY]

REMOVE JUMPER FROM L1 TO 5 ON SWITCH

7 LEAD-THERMALLY PROTECTED-LOW VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
P1	T1
P2	5
T2	T2
T3	5
T4	T2
T8	8
T5	12

REMOVE JUMPER FROM L1 TO 5 ON SWITCH

8 LEAD-NOT THERMALLY PROTECTED-HIGH VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
T1	T1
T2	} JOIN AND INSULATE
T3	
T4	T2
T5	12
T6	} JOIN AND INSULATE
T7	
T8	8

8 LEAD-NOT THERMALLY PROTECTED-LOW VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
T1	T1
T2	T2
T3	T1
T4	T2
T5	12
T6	8
T7	12
T8	8

9 LEAD-THERMALLY PROTECTED-HIGH VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
P1	T1
T2	} JOIN AND INSULATE
T3	
T4	T2
T5	12
T6	} JOIN AND INSULATE
T7	
T8	8
P2	5

REMOVE JUMPER FROM L1 TO 5 ON SWITCH

9 LEAD-THERMALLY PROTECTED-LOW VOLTAGE	
MOTOR LEADS	SWITCH TERMINALS
P1	T1
T2	T2
T4	T2
T5	12
T7	12
T8	8
T8	8
T3	5
P2	5