

Accessory 49 control modules are for Form 3 (start-stop) control of the RC switch. The module must be energized to close the RC switch, and de-energized to open the RC switch. Therefore, use one normally closed and one normally open separate control stations to operate the module.

There are four different control modules for each Accessory 47, 48, and 49. Each module is suitable only for the control voltage marked on it. Refer to Table F. Ratings for the control modules are listed in Table H.

Table F - Accessory 47, 48, 49 module numbers

Module Control Voltage	2-Wire Control Accessory 47 Modules	3-Wire Control Accessory 48 Modules	Form 3 Control Accessory 49 Modules
120 V ac	359-347	359-348	359-349
24 V ac	359-347-1	359-348-1	359-349-1
24 V dc	359-347-2	359-348-2	359-349-2
277 V ac	359-347-3	359-348-3	359-349-3

Table G - Connections to Control Modules

Module Terminal	Connect To
1	not used
2	control station for Acc. 48, 49
3	control station for Acc. 47, 48, 49
4	module control voltage*
5	RC switch control voltage
O	pre-connected to O on RC switch
C	pre-connected to C on RC switch

* For 24 V dc control modules connect terminal 4 to negative (-).

Connections

Connections to the Accessory 47, 48, and 49 control modules are shown in Table G. Also refer to the labels in Figure 1 and to *Wiring Diagram*

Table H - Ratings for Control Modules

Nominal Input Voltage 24 V ac, 24 V dc, 120 V ac, 277 V ac (See Table F.)
 Control Voltage Range 80 to 125 % of nominal
 Ambient Temperature Range Operate 0° C to +45° C
 Ambient Temperature Range Storage -30° C to +65° C
 Burden:

Control Module	Acc. 47	Acc. 48	Acc. 49
24 V ac control module	0.6 VA	0.17 VA	0.45 VA
120 V ac control module	1.8 VA	1.0 VA	3.0 VA
277 V ac control module	2.75 VA	2.9 VA	6.8 VA
24 V dc control module	0.22 watt	0.2 watt	0.45 watt

ASCO Controls are designed and manufactured by Automatic Switch Co.
 Florham Park, New Jersey 07932, Telephone (201) 366-2070

For further service information, contact your nearest ASCO source

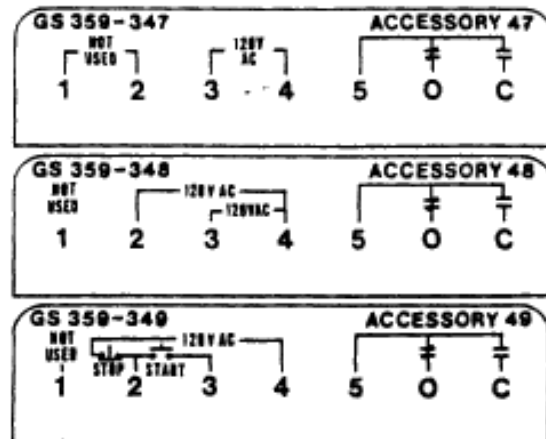


Figure 1. Labels on 120 V ac control modules.

JS363165 or JS383880. Barrier screw type terminals accept #22-12 AWG Cu control wiring. Tighten terminals to 12 inch-pounds.

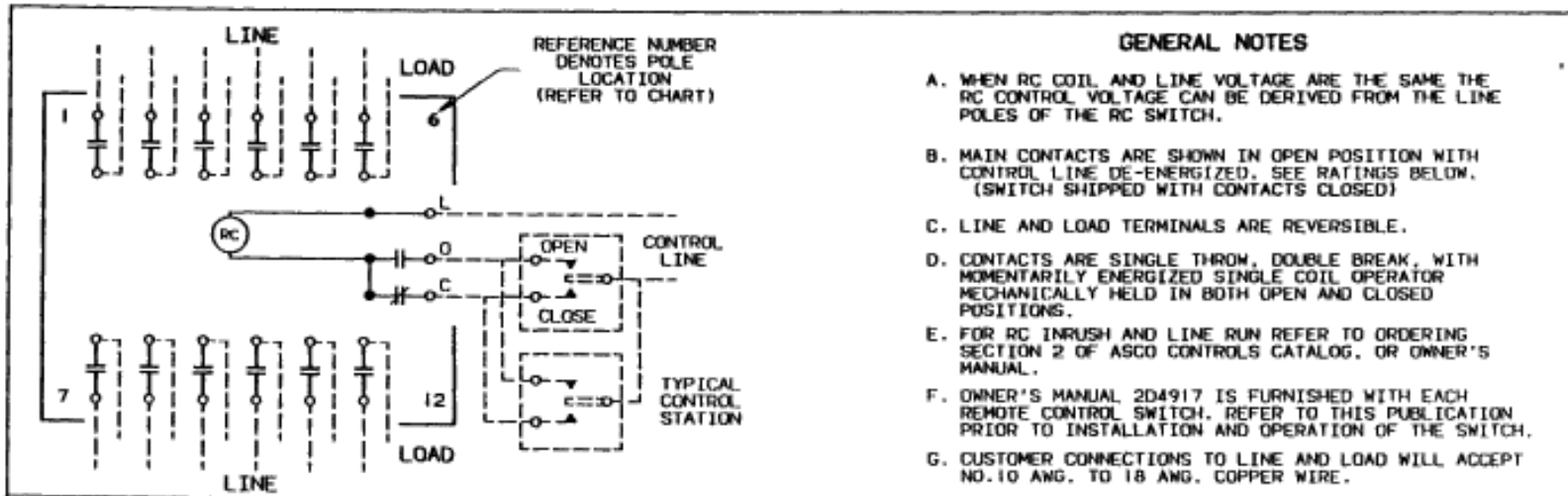
The control modules have two colored leads pre-connected to the O and C terminal bus on the RC switch. A yellow wire runs between the O terminals; an orange/black wire runs between the C terminals.

Connect your control wiring for the module to terminals 2, 3, and 4 on the module. Terminal 2 is not used on Accessory 47 and terminal 1 is never used.

CAUTION: For 24 V dc modules be sure to connect terminal 4 to negative (-).

Connect your control wiring for the RC switch (coil voltage) to terminal 5 on the control module and terminal L on the RC switch. If the line voltage (service) is the same as the coil voltage, the control voltage can come directly from the poles of the RC switch.

STANDARD RC SWITCHES



- ### GENERAL NOTES
- WHEN RC COIL AND LINE VOLTAGE ARE THE SAME THE RC CONTROL VOLTAGE CAN BE DERIVED FROM THE LINE POLES OF THE RC SWITCH.
 - MAIN CONTACTS ARE SHOWN IN OPEN POSITION WITH CONTROL LINE DE-ENERGIZED. SEE RATINGS BELOW. (SWITCH SHIPPED WITH CONTACTS CLOSED)
 - LINE AND LOAD TERMINALS ARE REVERSIBLE.
 - CONTACTS ARE SINGLE THROW, DOUBLE BREAK, WITH MOMENTARILY ENERGIZED SINGLE COIL OPERATOR MECHANICALLY HELD IN BOTH OPEN AND CLOSED POSITIONS.
 - FOR RC INRUSH AND LINE RUN REFER TO ORDERING SECTION 2 OF ASCO CONTROLS CATALOG, OR OWNER'S MANUAL.
 - OWNER'S MANUAL 2D4917 IS FURNISHED WITH EACH REMOTE CONTROL SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.
 - CUSTOMER CONNECTIONS TO LINE AND LOAD WILL ACCEPT NO.10 AWG. TO 18 AWG. COPPER WIRE.

CONTACT POLE LOCATION CHART

POLES	LOCATION
2	2 & 5
3	2, 3 & 5
4	2, 3, 4 & 5
6	1 - 6
8	1 - 6, 8 & 11
10	1-6, 8, 9, 10 & 11
12	1 - 12

MAIN CONTACTS MAXIMUM VOLTAGE RATINGS OPEN OR CLOSED

POLES TO LOAD		AMPERE CONTINUOUS	
1 FOR 1 ϕ	2 FOR 1 ϕ		
		3 FOR 3 ϕ	
250 AC	250 AC	20	TUNGSTEN
347 AC	600 AC	20	BALLAST
347 AC	600 AC	30	GENERAL

20 AMP. DC GENERAL	125V DC MAX. 2 POLES IN SERIES
	250V DC MAX. 3 POLES IN SERIES

SWITCH IS SUITABLE FOR USE IN A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN THE RMS SYMMETRICAL CURRENT AT THE MAXIMUM VOLTAGE SHOWN BELOW, WHEN PROTECTED BY A 30 AMP. CIRCUIT BREAKER HAVING AN INTERRUPTING RATING NOT LESS THAN VALUES SHOWN.

MAX. RMS AMPERES	MAX. AC VOLTS
22000	250
14000	480
10000	600

FOR OPEN TYPE DIMENSIONS REFER TO COMPOSITE OUTLINE DRAWING GS 361069. FOR ENCLOSED TYPE DIMENSIONS REFER TO COMPOSITE ENCLOSURE DRAWING JS 363104.

BASIC CATALOG NUMBERS	VOL. CODE	ACC. GRP. CODE	OPT. ACC. CODE	ENCLOSURE CODE	CONTROL VOLTAGE CODE	DESCRIPTION
ASCO POLES	AMPS					OPERATING FREQUENCIES 50-60 HZ
2					J	110-120V
3		3			6	208-240V
4		6			7	265-277V
6	20	7	1	X	9	440-480V
8		9			X	347V
10		X				
12						

917 6 20 7 1 X C

ENCLOSURE TYPE: ADD SUFFIX LETTER 'C' FOR ENCLOSED TYPE

CATALOG NUMBER _____
 CERTIFIED TO **ASCO** 5.0. _____
 DATE _____ BY _____

COMPUTER GENERATED DRAWING

WIRING DIAGRAM

ASCO 917 REMOTE CONTROL SWITCH

Automatic Switch Co. a FLORENCE, N. J. - 07032. PRINTED IN U.S.A.

BY	DATE	10/84	11/84	12/84	1/85	2/85	3/85	4/85	5/85	6/85	7/85	8/85	9/85	10/85	11/85	12/85	1/86	2/86	3/86	4/86	5/86	6/86	7/86	8/86	9/86	10/86	11/86	12/86	1/87	2/87	3/87	4/87	5/87	6/87	7/87	8/87	9/87	10/87	11/87	12/87	1/88	2/88	3/88	4/88	5/88	6/88	7/88	8/88	9/88	10/88	11/88	12/88	1/89	2/89	3/89	4/89	5/89	6/89	7/89	8/89	9/89	10/89	11/89	12/89	1/90	2/90	3/90	4/90	5/90	6/90	7/90	8/90	9/90	10/90	11/90	12/90	1/91	2/91	3/91	4/91	5/91	6/91	7/91	8/91	9/91	10/91	11/91	12/91	1/92	2/92	3/92	4/92	5/92	6/92	7/92	8/92	9/92	10/92	11/92	12/92	1/93	2/93	3/93	4/93	5/93	6/93	7/93	8/93	9/93	10/93	11/93	12/93	1/94	2/94	3/94	4/94	5/94	6/94	7/94	8/94	9/94	10/94	11/94	12/94	1/95	2/95	3/95	4/95	5/95	6/95	7/95	8/95	9/95	10/95	11/95	12/95	1/96	2/96	3/96	4/96	5/96	6/96	7/96	8/96	9/96	10/96	11/96	12/96	1/97	2/97	3/97	4/97	5/97	6/97	7/97	8/97	9/97	10/97	11/97	12/97	1/98	2/98	3/98	4/98	5/98	6/98	7/98	8/98	9/98	10/98	11/98	12/98	1/99	2/99	3/99	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
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DR: JTT 3/84
 CHECKED: _____
 DATE: 3/84

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PROPERTY OF AUTOMATIC SWITCH CO. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

GS 361068

For further service information, contact your nearest ASCO source.

ASCO Controls are designed and manufactured by Automatic Switch Co., Englewood Park, New Jersey 07032. Telephone 201-966-1070

N/O & N/C RC SWITCHES

ASCO Controls are designed and manufactured by **Automatic Switch Co.**
 Forum Pk., New Jersey 07122, Telephone (201) 966-2020

For further service information,
 contact your nearest ASCO distributor.

REFERENCE NUMBER DENOTES CONTACT LOCATION (REFER TO CHART)
 'O' & 'C' DESIGNATIONS REFER TO ACTION OF LOWER SET OF CONTACTS

GENERAL NOTES

- A. WHEN RC COIL AND LINE VOLTAGE ARE THE SAME THE RC CONTROL VOLTAGE CAN BE DERIVED FROM THE LINE POLES OF THE RC SWITCH.
- B. MAIN CONTACTS ARE SHOWN WITH LOWER CONTACTS IN OPEN POSITION WITH CONTROL LINE DE-ENERGIZED. (SWITCH SHIPPED WITH LOWER CONTACTS IN CLOSED POSITION)
- C. LINE AND LOAD TERMINALS ARE REVERSIBLE.
- D. CONTACTS ARE SINGLE THROW, DOUBLE BREAK, WITH MOMENTARILY ENERGIZED SINGLE COIL OPERATOR MECHANICALLY HELD IN BOTH OPEN AND CLOSED POSITIONS.
- E. FOR RC INRUSH AND LINE RUN REFER TO ORDERING SECTION 2 OF ASCO CONTROLS CATALOG, OR OWNER'S MANUAL.
- F. OWNER'S MANUAL 204917 IS FURNISHED WITH EACH REMOTE CONTROL SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.
- G. LINE, LOAD AND CONTROL CONNECTIONS L, C & O WILL ACCEPT NO. 10 AWG. TO 18 AWG. COPPER WIRE.

		MAX. RMS AMPERES	MAX. AC VOLTS
SWITCH IS SUITABLE FOR USE IN A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN THE RMS SYMMETRICAL CURRENT AT THE MAXIMUM VOLTAGE SHOWN BELOW, WHEN PROTECTED BY A 30 AMP. CIRCUIT BREAKER HAVING AN INTERRUPTING RATING NOT LESS THAN VALUES SHOWN.		22000	250
		14000	480
		10000	600

SWITCH CONTACT LOCATION CHART		MAIN CONTACTS MAXIMUM VOLTAGE RATINGS OPEN OR CLOSED	
CONTACT COMB.	CONTACT LOCATIONS	POLES TO LOAD	AMPERE CONTINUOUS
N/O	N/C	TOP	BOTTOM
2	2	2 & 5	8 & 11
3	3	2, 3 & 5	8, 10 & 11
4	4	2, 3, 4 & 5	8, 9, 10 & 11
6	6	1 THRU 6	7 THRU 12

POLES TO LOAD		AMPERE CONTINUOUS	
1 FOR 1Ø	2 FOR 1Ø	3 FOR 3Ø	
250 AC	250 AC	20	TUNGSTEN
347 AC	600 AC	20	BALLAST
347 AC	600 AC	30	GENERAL
20AMP DC GENERAL		125VDC MAX 2 POLES IN SERIES	
		250VDC MAX 3 POLES IN SERIES	

CONTACTS 1-6 WILL BE OPENED BY APPLYING VOLTAGE TO "L" & "C"
 CONTACTS 1-6 WILL BE CLOSED BY APPLYING VOLTAGE TO "L" & "O"
 CONTACTS 7-12 WILL BE OPENED BY APPLYING VOLTAGE TO "L" & "O"
 CONTACTS 7-12 WILL BE CLOSED BY APPLYING VOLTAGE TO "L" & "C"

BASIC CATALOG NUMBERS		VOLT. CODE	ACC. GRP. CODE	OPT. ACC. CODE	ENCLOSURE CODE	CONTROL VOLTAGE CODE	DESCRIPTION
ASCO	POLES	AMPS					
917	22	3				3	110-120V
	33	6				4	208-240V
	44	9				7	265-277V
	66	X				9	440-480V
						X	347V

FOR OPEN TYPE DIMENSIONS REFER TO COMPOSITE OUTLINE DRAWING GS 383826, FOR ENCLOSED TYPE DIMENSIONS REFER TO COMPOSITE ENCLOSURE DRAWING JS 363104.

COMPUTER GENERATED DRAWING

WIRING DIAGRAM

ASCO 917 REMOTE CONTROL SWITCH

Automatic Switch Co.

PLUMBING PARK, N. J. 07122, PRINTED IN U.S.A.

DRWN	AK	2/87																		
CHECKED	RNR	2/87	AL	<input checked="" type="checkbox"/>	AP	<input type="checkbox"/>	AA	<input type="checkbox"/>	AN	<input type="checkbox"/>	AS	<input checked="" type="checkbox"/>								
DTG APL																				
ENG APL	RJ	2/87																		

GS 383825

PROPERTY OF AUTOMATIC SWITCH CO. USE PERMITTED FOR ONE YEAR ONLY. ALL OTHERS IF RETURN OR REVISION ARE REQUIRED.

STANDARD RC SWITCHES WITH ACCESSORIES

2-6 POLES

OPTIONAL AUXILIARY CONTACTS

LINE

LOAD

RC CONTROL

CR CONTROL

ACC. 47, 48, OR 49

REFERENCE NUMBER DENOTES POLE LOCATION (REFER TO CHART)

8-12 POLES

OPTIONAL AUXILIARY CONTACTS

LINE

LOAD

RC CONTROL

CR CONTROL

ACC. 47, 48, OR 49

GENERAL NOTES

- WHEN RC COIL AND LINE VOLTAGE ARE THE SAME THE RC CONTROL VOLTAGE CAN BE DERIVED FROM THE LINE POLES OF THE RC SWITCH.
- MAIN CONTACTS ARE SHOWN IN OPEN POSITION WITH CONTROL LINE DE-ENERGIZED. SEE RATINGS BELOW. (SWITCH SHIPPED WITH CONTACTS CLOSED)
- LINE AND LOAD TERMINALS ARE REVERSIBLE.
- CONTACTS ARE SINGLE THROW, DOUBLE BREAK, WITH MOMENTARILY ENERGIZED SINGLE COIL OPERATOR MECHANICALLY HELD IN BOTH OPEN AND CLOSED POSITIONS.
- INDICATES CUSTOMER CONNECTION POINTS, ● INDICATES FACTORY CONNECTION POINTS.
- CONNECTION POINTS THAT HAVE BOTH CUSTOMER AND FACTORY CONNECTIONS ARE SHOWN AS CUSTOMER CONNECTIONS.
- FOR RC INRUSH AND LINE RUN REFER TO ORDERING SECTION 2 OF ASCO CONTROLS CATALOG, OR OWNER'S MANUAL.
- OWNER'S MANUAL 204917 IS FURNISHED WITH EACH REMOTE CONTROL SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.
- CUSTOMER CONNECTIONS TO LINE AND LOAD WILL ACCEPT NO. 10AWG TO 18AWG COPPER WIRE.
- CUSTOMER CONNECTIONS TO ELECTRONIC METER (ACC. 47, 48, OR 49) WILL ACCEPT NO. 12AWG TO 22AWG COPPER WIRE.
- LEADS ON CONNECTORS FOR ACC. 14H & 14HA ARE NO. 18AWG, (12" LONG).
- CR CONTROL SUPPLIED BY CUSTOMER.

CONTACT TYPE CREATION CHART

POLES	CREATION
2	2, 5, 6
3	2, 1, 5, 6
4	2, 1, 4, 5, 6
5	1, 5
6	1, 4, 5, 6, 11
10	1, 4, 5, 6, 11, 10 & 11
12	1, 10

ADDED AUXILIARY CONTACTS (BY USE OF ACC. 14H & 14HA)
 14HA, 125 AMP
 277 VAC
 0.5A, 25WATT
 0.25A, 25WATT
 ACC. 14 H, 125VAC
 ACC. 14 HA, 125VAC

WIRING DIAGRAMS

2 WIRE CONTROL, ACC. 47

3 WIRE CONTROL, ACC. 48

START-STOP (3 WIRE) CONTROL, ACC. 49

ACC. 52 CONTROL, LINE FUSE(S)

MINES, INCLUDING AND CONNECTED IN ENCLOSED TYPES, SHIPPED (LONG FOR SHORT TYPES)

CONTROL LINE FUSE(S) SUITABLE FOR AC ONLY

(ACC. 52 USE FOR 200-300V AC TYPE FOR 300V MAXIMUM OVERVOLTAGE)

(ACC. 52 USE FOR 240-300V AC TYPE FOR 300V MAXIMUM OVERVOLTAGE)

(ACC. 52 USE FOR 240V TYPE FOR 300-300V MAXIMUM OVERVOLTAGE)

MAXIMUM RMS AND AC

AMPERES	VOLTS
25,000	250
14,000	480
10,000	600

SWITCH IS DESIGNED FOR USE IN A CIRCUIT CAPABLE OF 141 FLOWING NOT MORE THAN THE RMS CURRENT WITH A CURRENT AT THE MAXIMUM VOLTAGE SHOWN BELOW, WHEN PROTECTED BY A 30 AMP CIRCUIT BREAKER HAVING AN INTERRUPTING RATING OF NOT LESS THAN VALUES SHOWN.

COMPANY GENERATED DRAWING

WIRING DIAGRAM

ASCO, 917 REMOTE CONTROL SWITCH

W/OPT. ACC.'S 14H, 14HA, 47, 48, OR 49, 52

Automatic Switch Co.,
 FLORENCE, N.J., BRANCH OFFICE IN N.Y.C.

DATE: 10/84

REVISION: 1

PROJECT NO. JS 36-3165

ASCO Controls are designed and manufactured by Automatic Switch Co., Florham Park, New Jersey 07932, Telephone 201-962-2070

N/O & N/C RC SWITCHES WITH ACCESSORIES

ASCO Controls are designed and manufactured by **Automatic Switch Co.**
 Flemington Park, New Jersey 07931, Telephone (201) 566-2770

For further service information,
 contact your nearest ASCO source

AUXILIARY CONTACT RATING
 ACC. 14H & 14HA
 10A, 1/3 HP
 277 VAC
 0.5A, 125WDC
 0.25A, 250WDC

ACC. 14 H, 14H1E
 ACC. 14 HA, 14HA1E

N/O & N/C COMBINATIONS

GENERAL NOTES

- A. WHEN RC COIL AND LINE VOLTAGE ARE THE SAME THE RC CONTROL VOLTAGE CAN BE DERIVED FROM THE LINE POLES OF THE RC SWITCH.
- B. MAIN CONTACTS ARE SHOWN WITH LOWER CONTACTS IN OPEN POSITION WITH CONTROL LINE DE-ENERGIZED. (SWITCH SHIPPED WITH LOWER CONTACTS IN CLOSED POSITION.)
- C. LINE AND LOAD TERMINALS ARE REVERSIBLE.
- D. CONTACTS ARE SINGLE THROW, DOUBLE BREAK, WITH MOMENTARILY ENERGIZED SINGLE COIL OPERATOR MECHANICALLY HELD IN BOTH OPEN AND CLOSED POSITIONS.
- E. ○ INDICATES CUSTOMER CONNECTION POINTS.
● INDICATES FACTORY CONNECTION POINTS.
- F. CONNECTION POINTS THAT HAVE BOTH CUSTOMER AND FACTORY CONNECTIONS ARE SHOWN AS CUSTOMER CONNECTIONS.
- G. FOR RC INRUSH AND LINE RUN REFER TO ORDERING SECTION 2 OF ASCO CONTROLS CATALOG, OR OWNER'S MANUAL.
- H. OWNER'S MANUAL 204917 IS FURNISHED WITH EACH REMOTE CONTROL SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.
- I. CUSTOMER CONNECTIONS TO LINE AND LOAD WILL ACCEPT NO.10AWG TO 18AWG COPPER WIRE.
- J. CUSTOMER CONNECTIONS TO ELECTRONIC MODULE (ACC. 47, 48, OR 49) WILL ACCEPT NO.12AWG TO 22AWG COPPER WIRE.
- K. LEADS ON CONNECTIONS FOR ACC.14H & 14HA ARE NO.18AWG. (12" LONG).
- L. CR CONTROL SUPPLIED BY CUSTOMER.

SWITCH CONTACT LOCATION CHART

CONTACT	LOC.	LOCATIONS
N/O/N/C	TOP	BOTTOM
2	2 & 5	8 & 11
3	2, 3 & 5	8, 10 & 11
4	2, 3, 4 & 5	8, 9, 10 & 11
6	1 THRU 6	7 THRU 12

CONTACTS 1 & 6 WILL BE OPENED BY APPLYING VOLTAGE TO "L"&"C"
 CONTACTS 1-6 WILL BE CLOSED BY APPLYING VOLTAGE TO "L"&"O"
 CONTACTS 7-12 WILL BE OPENED BY APPLYING VOLTAGE TO "L"&"O"
 CONTACTS 7-12 WILL BE CLOSED BY APPLYING VOLTAGE TO "L"&"C"

MAIN CONTACT MAXIMUM VOLTAGE RATINGS (OPEN OR CLOSED)

VOLTS TO LOAD	AMPERE CONTINUOUS
115V AC	20
250 AC	20
347 AC	20
440 AC	20
600 AC	20
690 AC	20
1000 AC	20

20 AMP. DC
 125V DC MAX. 2 POLES IN SERIES
 250V DC MAX. 3 POLES IN SERIES

SWITCH IS SUITABLE FOR USE IN A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN THE RMS SYMMETRICAL CURRENT AT THE MAXIMUM VOLTAGE SHOWN BELOW, WHEN PROTECTED BY A 30 AMP CIRCUIT BREAKER HAVING AN INTERRUPTING RATING OF NOT LESS THAN VALUES SHOWN.

AMPERES	VOLTS
22,000	250
14,000	480
10,000	600

RC CONTROL

2 WIRE CONTROL, ACC. 47

3 WIRE CONTROL, ACC. 48

START-STOP (FORM 3) CONTROL, ACC. 49

FOR OPEN TYPE DIMENSIONS REFER TO COMPLETE OUTLINE DRAWING JS 363897 FOR ENCLOSED TYPE (FORM 3) REFER TO COMPLETE ENCLOSURE DRAWING JS 363104

PARTS CHANGE NUMBER	NO. 1 CODE	ACC. CODE	OPT. CODE	ENCLOSURE CODE	CONTROL VOLTAGE CODE	DESCRIPTION
ASCO POLY 12 2885						QUARTZING FREQUENCIES 50-60 HZ
	3				3	110-120V
	6				4	200-240V
	7				5	240-277V
	9				6	440-480V
	X				7	347V

917 20 33 44 64 X 20 7 1 X C

CONTROL: NO. FACE CODE DESCRIPTION
 QUARTZING FREQUENCIES 50-60 HZ

110-120V
 200-240V
 240-277V
 440-480V
 347V

LABEL NUMBER
 LABEL SET
 TO ASCO

DATE BY

WIRING DIAGRAM
ASCO 917 RC SWITCH N/O & N/C
 W/OPT. ACC.'S 14H, 14HA, 47, 48, OR 49

DATE BY 2/67
 DRAWN 2/67
 CHECKED 2/67
 BY 2/67

Automatic Switch Co.
 FLEMINGTON PARK, N. J. 07931
 TEL. (201) 566-2770

REVISIONS:
 1. 2/67
 2. 2/67
 3. 2/67

ASCO 917 RC SWITCH N/O & N/C
 W/OPT. ACC.'S 14H, 14HA, 47, 48, OR 49

DATE BY 2/67
 DRAWN 2/67
 CHECKED 2/67
 BY 2/67

ASCO 917 RC SWITCH N/O & N/C
 W/OPT. ACC.'S 14H, 14HA, 47, 48, OR 49

DATE BY 2/67
 DRAWN 2/67
 CHECKED 2/67
 BY 2/67

TROUBLE-SHOOTING

WARNING: The RC switch is energized. Proceed with care!

Problem	Check Control Voltage	Check Control Station, Wiring, Supply
RC switch does not close when control station is closed.	Measure control voltage between RC switch terminals L and C.	If no voltage is present, check control station contacts, control wiring, supply fuses, and optional accessories.
RC switch does not open when control station is opened.	Measure control voltage between RC switch terminals L and O.	If no voltage is present, check control station contacts, control wiring, supply fuses, and optional accessories.
RC switch tries to close or open, but cannot.	Measure at least 90% control voltage (nameplate coil voltage) between RC switch terminals L and C, or L and O.	If voltage is low, check control wire size and line run distance; see Table C on page 3. If a transformer is used in the control line, make sure it can handle the VA burden required; see Table D on page 3.
RC switch closes and opens repeatedly.	—————	Check control station for overlapping contacts, and correct. Control stations cannot call on RC switch to close and open at the same time.
RC switch closes or opens very quickly with excessive noise.	Measure no more than 110% control voltage (nameplate coil voltage) between RC switch terminals L and C, or L and O.	If voltage is high, change control supply or change RC switch.

Manual Operation

An #8-32 screw 1½" long can be used to manually operate the switch. One is supplied in all replacement parts kits requiring manual operation. The screw should be used for maintenance purposes only. Remove the screw after maintenance.

WARNING: Do not manually operate the switch until all power and control circuits are disconnected.

Open circuit breakers, then use a voltmeter to verify no voltage is present at the switch at both control and line terminal screws.

Insert the operating screw into the center of the coil and carefully turn it clockwise until the threads engage the cam/core.

Pull the screw outward to open the switch contacts; push it in to close the contacts. Observe the black buttons in the contact block (buttons out means contacts open).

REPLACEMENT PARTS

The main contact blocks and the operator coil are available in kit form. When ordering parts, provide the Serial No. and Catalog No. from the RC switch nameplate. Contact your local ASCO Authorized Representative, District Office or Service Center.

Included in each kit is a *Service Bulletin* explaining how to replace the parts. These instructions are also available separately:

Service Bulletin 2M4918

UL Listed Conversion Kits 363-880 through 363-889 are available for field or distributor modification of ASCO 917

Remote Control Switches to allow changes in pole configuration, voltage, control modules, and auxiliary contacts.

ASCO Controls are designed and manufactured by **Automatic Switch Co.**
Floram Park, New Jersey 07932, Telephone (201) 966-2070

For further service information,
contact your nearest ASCO source.