

Cutler Hammer
Size 2

A10

FOR USE WITH STARTER SIZE "2" — BULLETINS A10, B10 & A50

HEATER COIL SELECTION

This overload relay has two steps of adjustment (low or high) obtained by **positioning the heater coils** as shown in the Heater Coil Selection Table. Note the location of the pointed terminal on the heater coil.



Select heater coils according to the motor ampere rating. Note both the catalog number and the position in which the coils must be mounted.

Mount the coils in the position corresponding to the column that includes the motor ampere rating. All coils must be mounted in the same position for a given overload relay.

The Heater Coil Selection Table is for use with motors having a 1.15 service factor. The selected heater coils will allow a maximum of 125% of rated motor current. For motors with a 1.0 service factor use one size smaller heater coil mounted in the same position as the regular larger coil.

The approximate ultimate tripping current, in a 40° C ambient, can be determined by multiplying the minimum currents by 1.25.

HEATER COIL SELECTION TABLE

MOTOR AMPERE RATING		Heater Coil Position	No. on Coil ▲	Low	High	No. on Coil ▲
Min	Max			Min	Max	
		Low	▲	10.9-11.4	11.5-12.0	1037
		High		12.1-12.7	12.8-13.4	1038
				13.5-14.2	14.3-14.9	1039
				15.0-15.8	15.9-17.6	1040
				17.7-18.6	18.7-19.0	1041
				19.1-20.2	20.3-21.5	1042
				21.6-22.8	22.9-24.5	1043
				24.6-26.0	26.1-27.9	1044
				28.0-29.6	29.7-32.0	1045
				32.1-33.9	34.0-36.6	1046
3.72-3.93	3.94-4.10		1027			
4.11-4.35	4.36-4.59		1028			
4.60-4.87	4.88-5.07		1029			
5.08-5.37	5.38-5.65		1030			
5.66-5.99	6.00-6.29		1031			
6.30-6.67	6.68-7.00		1032			
7.01-7.42	7.43-7.82		1033			
7.83-8.29	8.30-8.79		1034			
8.80-9.24	9.25-9.67		1035			
9.68-10.2	10.3-10.8		1036			

▲ Each of these numbers prefixed by "H" is the catalog number of a package containing one coil. Order as many packages as the number of coils needed.

WARNING — To provide continued protection against fire or shock hazard, the complete overload relay must be replaced if burnout of the heater coil occurs.

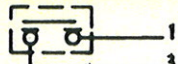
CUTLER-HAMMER

Pub. 16048 Made in U.S.A. 980

A-c Full Voltage Magnetic Starter — Three Pole

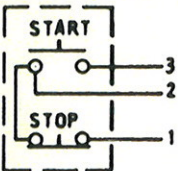
REMOTE CONTROL STATIONS

2 WIRE CONTROL

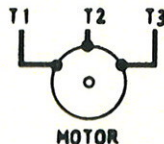
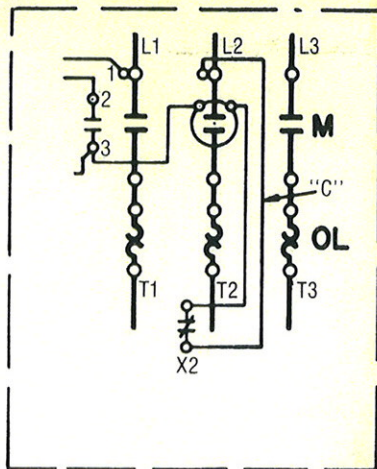
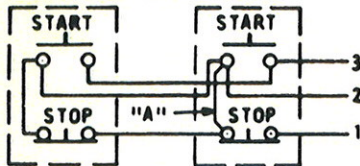


NOT FOR USE WITH AUTO. RESET O.L. RELAYS

3 WIRE CONTROL



WHEN MORE THAN ONE PUSHBUTTON STATION IS USED, OMIT CONNECTOR "A" AND CONNECT PER SKETCH BELOW.



SEPARATE CONTROL

REMOVE WIRE "C" WHEN IT IS SUPPLIED. CONNECT SEPARATE CONTROL LINES TO THE NO. 1 TERMINAL ON THE REMOTE PILOT DEVICE AND THE "X2" TERMINAL ON THE OVERLOAD RELAY.

CONTROL CIRCUIT FUSEHOLDER KIT

Catalog Number	Marking	Fuse Type
C320FBR1	C320FBR	Class CC

Kit required when branch circuit protective device is rated 45 amps or greater.

SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN \star rms SYMMETRICAL AMPERES, 600 VOLTS MAXIMUM.
 \star NEMA SIZE 0, 1, 2, & 3 DEVICES: 5000
 \star NEMA SIZE 4 DEVICES: 10,000

AUXILIARY CONTACTS

Contacts	Catalog Number
N.O.	C320KA1
N.C.	C320KA2
N.O.-N.C.	C320KA3

MECHANICAL INTERLOCK KITS

For Use With Starter Size	Catalog Number
0 & 1	C321KM1
2	C321KM12
3	C321KM13
4	C321KM3

RENEWAL PARTS

Magnet Coil— Specify the number stamped on the coil.

Contacts — For a complete set of main contacts, specify the **CONTACT KIT** number stamped on the nameplate.

For complete Renewal Parts Information specify **PARTS PUB** number stamped on the nameplate which may be obtained from a local Cutler-Hammer Representative.

TERMINAL BLOCK

Cat. No. — C320TB1

TRANSIENT SUPPRESSOR

120 V. Max
Cat. No. — C320AS1

Cutler-Hammer E.T.N