



## INSTRUCTIONS

GEK-65609  
Insert Booklet GEK-49848

### PHASE DIRECTIONAL OVERCURRENT RELAY

TYPE JBC99AB(-)A

#### INTRODUCTION

These instructions along with those in instruction book GEK-49848 form the instructions for the JBC99AB(-)A relay.

#### DESCRIPTION

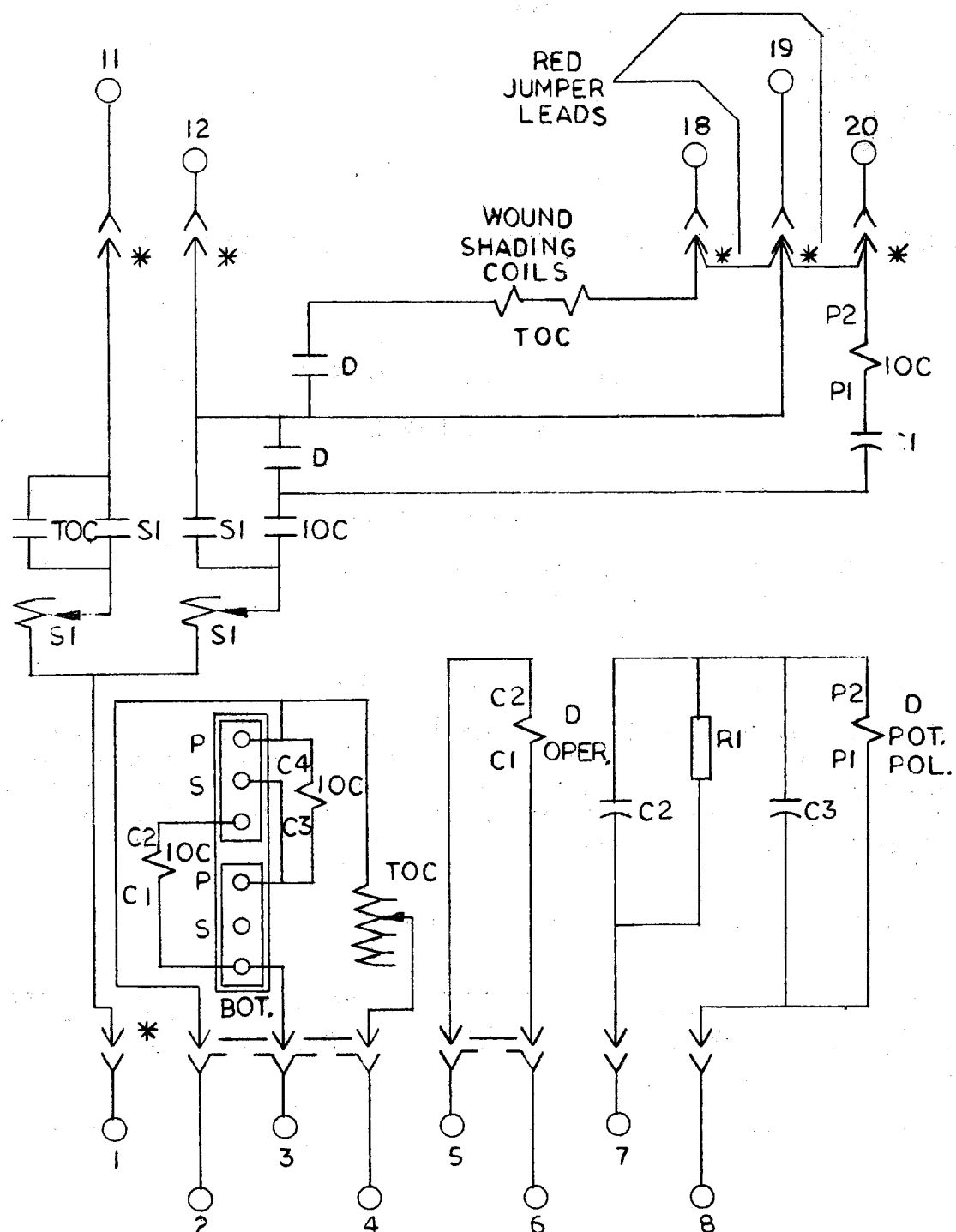
The type JBC99AB(-)A is a potential polarized phase directional overcurrent relay. The upper unit is a cup-type instantaneous overcurrent unit. The middle is a very inverse induction disk type time overcurrent of U-magnet construction. Both the top and middle overcurrent units are extended range units. The lower unit is a cup-type directional unit, the contact of which controls operation of both overcurrent units.

The following table describes the models available.

RELAY MODEL	TIME CHARACTERISTIC	VOLTS	FREQUENCY (HERTZ)	PICK UP RANGE	
				TIME	INST.
JBC99AB001A	Very Inverse	208	60	1.5 - 12	2 - 16

*These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.*

*To the extent required the products described herein meet applicable ANSI, IEEE and NEMA standards, but no such assurance is given with respect to local codes and ordinances because they vary greatly.*



IOC - INSTANT. OVERCURRENT UNIT (TOP)  
 TOC - TIME OVERCURRENT UNIT (MID)  
 D - DIRECTIONAL UNIT (BOT)  
 SI - SEAL-IN UNIT

\* = SHORT FINGER

Fig. 1 (0257A6174-0) Internal Connections for JBC99AB(-)A Relays (Front View)