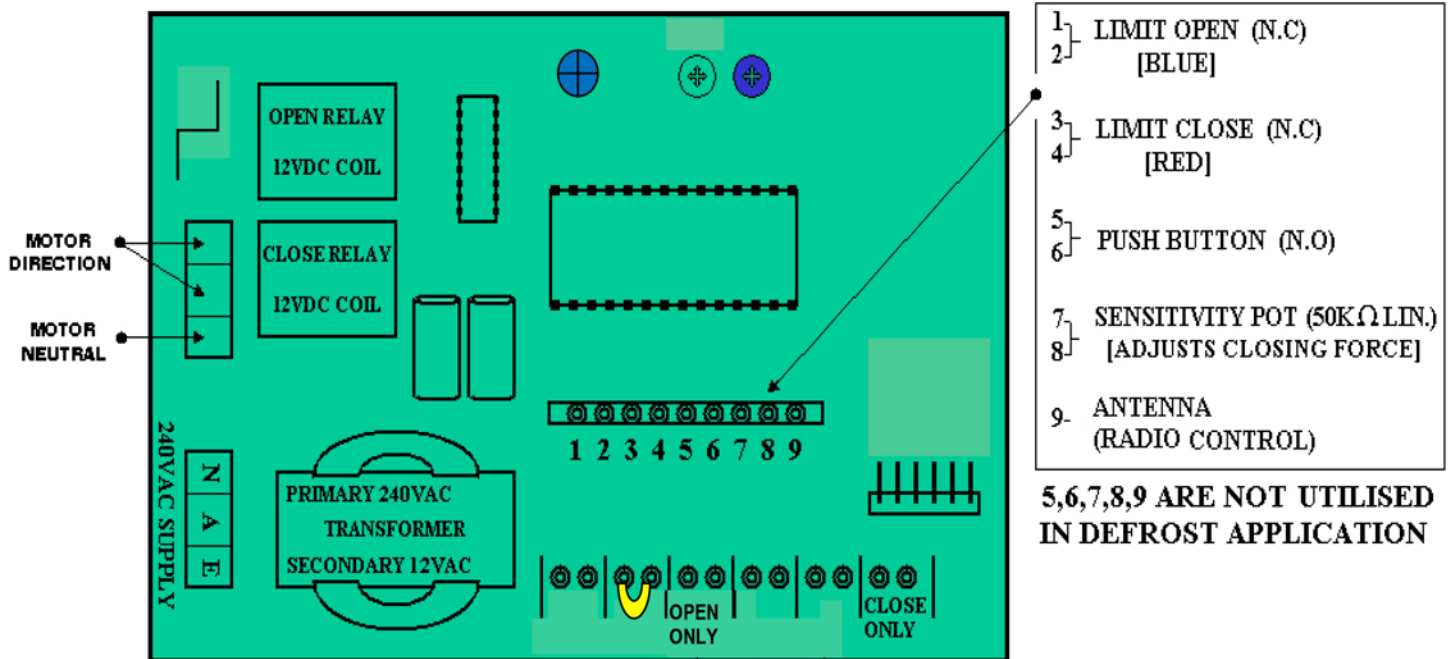


**ROBOT ELECTRONICS P.C.B.LAYOUT. (ADC-03S-DEFROST)  
 TO SUIT SBD-03 SPECIAL APPLICATION DEFROST DOOR OPENER**



**REQUIRED SUPPLY FOR ROBOT SBD-03**  
 SINGLE PHASE 240VAC, DRAWING 4 AMPS MAXIMUM

**EXTERNAL INPUTS FROM P.L.C.-** TRIGGER SIGNAL TO BE CONNECTED TO “OPEN ONLY” PROVISION ON ROBOT P.C.B FOR OPENING CYCLE OF THE DOOR AND A TRIGGER SIGNAL CONNECTED TO “CLOSE ONLY” PROVISION FOR CLOSING CYCLE OF THE DOOR.  
 NORMALLY OPEN CLEAN CONTACTS ARE REQUIRED

ROBOT CAN BE TEST RUN WITHOUT PLC INPUTS CONNECTED BY SHORTING OPEN ONLY TO OPEN DOOR AND CLOSE ONLY TO CLOSE DOOR

**NOTE** LIMIT OPEN (1&2) AND LIMIT CLOSE (3&4) ARE UTILISED, TO STOP ROBOT DRIVE IN OPEN OR CLOSE POSITION. THIS FUNCTION IS INTERNAL TO ROBOT DRIVE SYSTEM. NO OUTPUTS ARE AVAILABLE TO TELL PLC IF DOOR IS IN THE OPEN OR CLOSE POSITION. IF THIS IS REQUIRED THEN EXTERNAL LIMIT SWITCHES ARE TO BE FITTED TO THE DOOR.