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

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1. LIMIT OPEN (N.C) [BLUE]
2. LIMIT CLOSE (N.C) [RED]
3. PUSH BUTTON (N.O)
4. SENSITIVITY POT (50KΩ LIN.) [ADJUSTS CLOSING FORCE]
5. ANTENNA (RADIO CONTROL)

5, 6, 7, 8, 9 ARE NOT UTILISED IN DEFROST APPLICATION

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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.