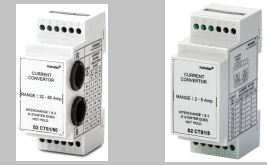


INSTALLATION INSTRUCTION MANUAL FOR S2 CTS1 CURRENT SENSOR 5/10/20/40/80

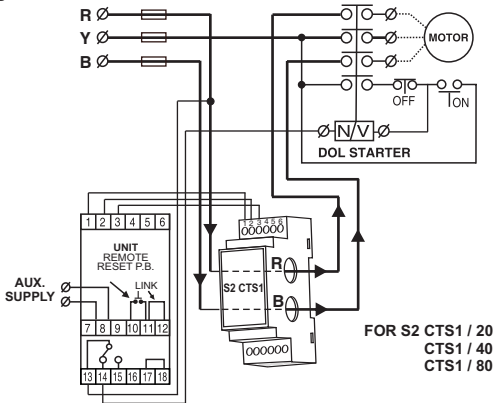


INTRODUCTION

Thank you for selecting and purchasing MINILEC make Current sensor S2 CTS1 5/10/20/40/80. These sensors are suitable for full load motor current of 5A, 10A, 20A, 40A and 80Amp. To be used with Minilec relays only (i.e MPR D2, SPG D2, S2 CMR1, D2 MPR1/2, F3 DRC1). During installation of above mentioned current sensor please refer installation instruction of respective product.

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR MPR D2/ SPG D2 WITH S2 CTS1 20/40/80

Fig. 1

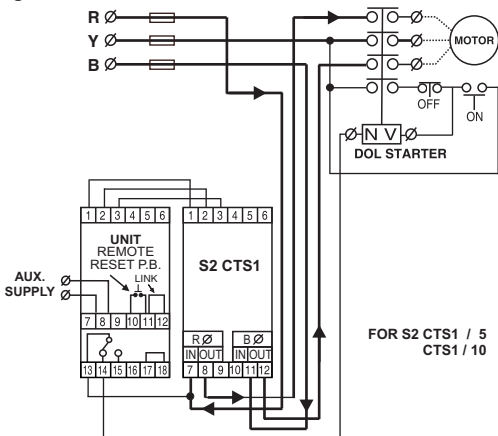


NOTE :
RELAY CONTACTS SHOWN FOR UNIT IN HEALTHY CONDITION.

FOR UNITS WITH 2CO, RELAY CONTACT PRESENT BETWEEN 13, 14, 15 & 16, 17, 18 IN THAT CASE LINK AT 17 & 18 IS ABSENT & FIXED OVER LOAD CHARACTERISTICS IS APPLICABLE.

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR MPR D2/ SPG D2 WITH S2 CTS1 5/10

Fig. 2

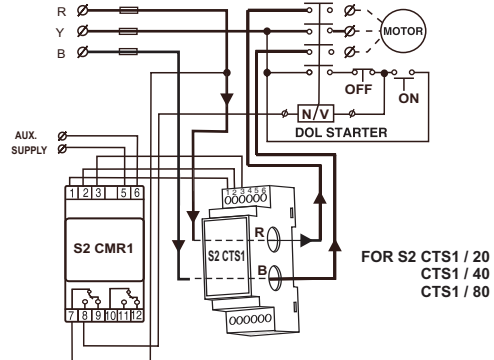


NOTE :
RELAY CONTACTS SHOWN FOR UNIT IN HEALTHY CONDITION.

FOR UNITS WITH 2CO, RELAY CONTACT PRESENT BETWEEN 13, 14, 15 & 16, 17, 18 IN THAT CASE LINK AT 17 & 18 IS ABSENT & FIXED OVER LOAD CHARACTERISTICS IS APPLICABLE.

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR S2 CMR1 WITH S2 CTS1 20/40/80

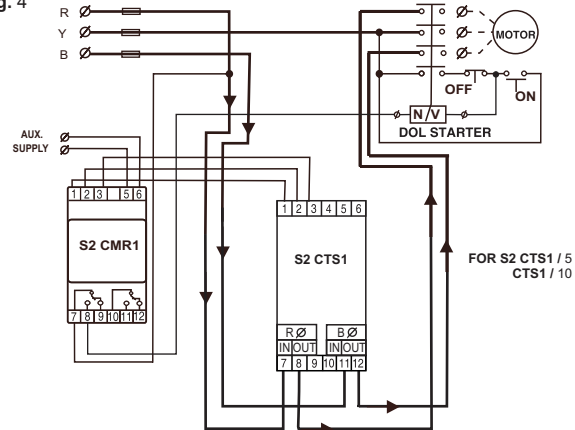
Fig. 3



- RELAY CONTACTS SHOWN FOR UNIT IN POWER OFF CONDITION
- FOR VDC SUPPLY, CONNECT +ve TO 5 & -ve TO 6 TERMINALS.

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR S2 CMR1 WITH S2 CTS1 5/10

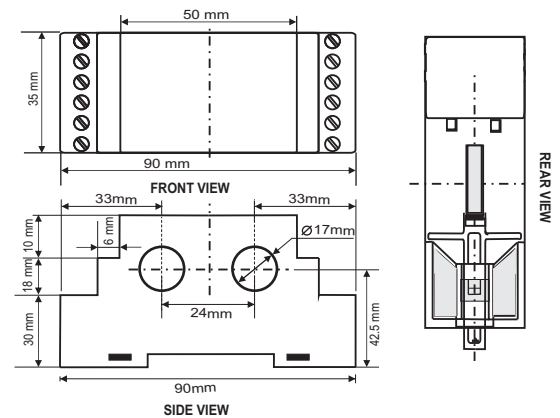
Fig. 4



- RELAY CONTACTS SHOWN FOR UNIT IN POWER OFF CONDITION
- FOR VDC SUPPLY, CONNECT +ve TO 5 & -ve TO 6 TERMINALS.

MOUNTING ON DIN RAIL FOR S2 CTS1

Fig. 5



WARRANTY

AGAINST ALL MANUFACTURING DEFECTS FOR 18 MONTHS FROM DATE OF SUPPLY OR 12 MONTHS FROM DATE OF INSTALLATION WHICHEVER IS EARLIER

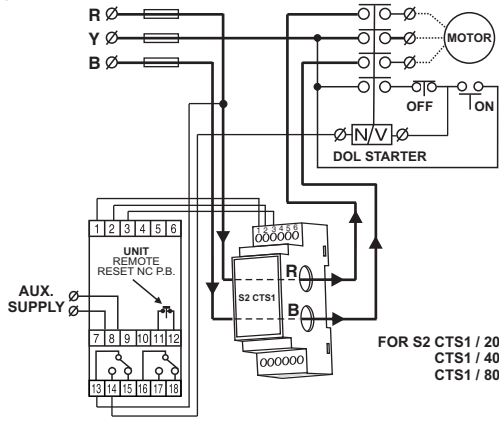
MANUFACTURED BY:

minilec[®]
www.minilecgroup.com

S. NO. 1073/ 1-2-3, AT POST : PIRANGUT, TAL: MULSHI,
DIST: PUNE (INDIA) PIN : 412 111
VERSION 02(10/12/10)

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR D2 MPR1/2 WITH S2 CTS1 20/40/80

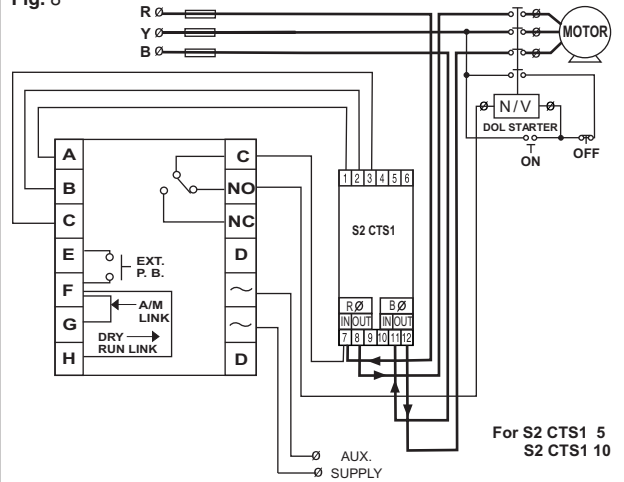
Fig. 6



- NOTE :
1. RELAY CONTACTS SHOWN FOR UNIT IN POWER OFF CONDITION.
 2. IN CASE OF D2 MPR2 CONNECT NO TYPE PUSH BUTTON BETWEEN TERMINAL 11& 12 AND NC TYPE PUSH BUTTON IN CASE OF D2 MPR1

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR F3 DRC1 WITH S2 CTS1 5/10

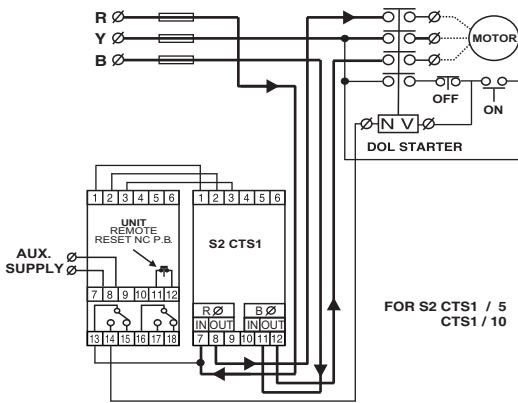
Fig. 8



- NOTE :
- RELAY CONTACTS SHOWN FOR UNIT IN HEALTHY CONDITION

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR D2 MPR1/2 WITH S2 CTS1 5/10

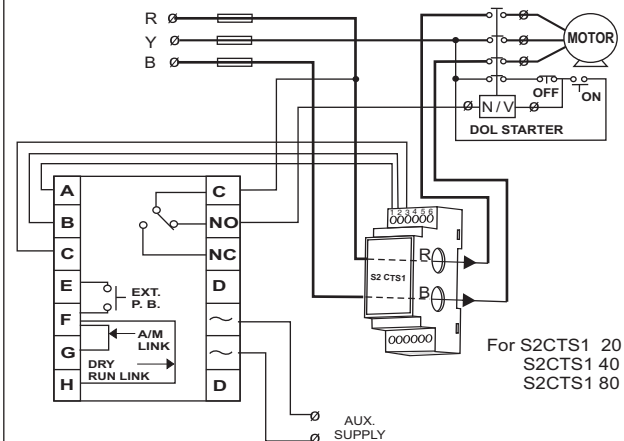
Fig. 7



- NOTE :
1. RELAY CONTACTS SHOWN FOR UNIT IN POWER OFF CONDITION.
 2. IN CASE OF D2 MPR2 CONNECT NO TYPE PUSH BUTTON BETWEEN TERMINAL 11& 12 AND NC TYPE PUSH BUTTON IN CASE OF D2 MPR1

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR F3 DRC1 WITH S2 CTS1 20/40/80

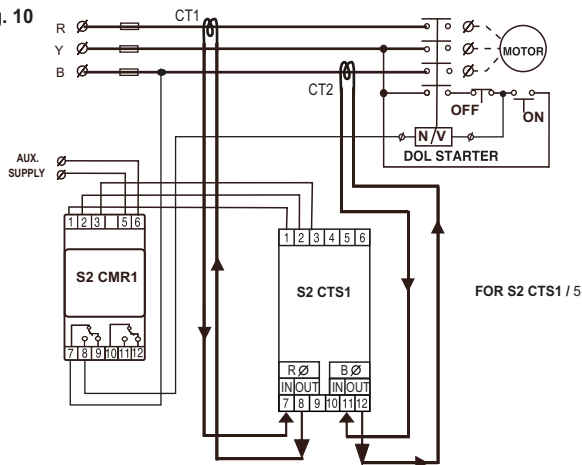
Fig. 9



- NOTE :
- RELAY CONTACTS SHOWN FOR UNIT IN HEALTHY CONDITION

ELECTRICAL CONNECTION IN POWER AND CONTROL WIRING FOR S2 CMR1 WITH S2 CTS1/5 AND EXTERNAL USER CT WITH 5A SECONDARY

Fig. 10



- RELAY CONTACTS SHOWN FOR UNIT IN POWER OFF CONDITION
- FOR VDC SUPPLY, CONNECT +ve TO 5 & -ve TO 6 TERMINALS.