

POWERSWITCH

DC TRACTION POWER CONTROL COMPONENTS

DC CURRENT SENSING RELAY COPPER RIDGE SYSTEMS - PART NO. 40932

PART NUMBER 40932 DC CURRENT SENSING RELAYS WERE CREATED TO PROVIDE A FAIL-SAFE INTERLOCK FOR HORIZONTAL MOUNTED NO-LOAD BREAK MOTOR OPERATED DISCONNECTS. THIS RELAY USES THE COPPER RIDGE CURRENT SENSING ELECTRONIC SWITCH THAT CLOSSES WHEN THE CURRENT FLOWING IN EITHER DIRECTION THRU THE DISCONNECT IS LESS THAN A SET AMOUNT. WHEN CLOSED THE ELECTRONIC SWITCH ENERGIZES AN INTERNAL MAGNETIC RELAY WHICH IS CONNECTED TO PREVENT PREVENT OPERATION UNLESS LOAD CURRENT IS LESS THAN THE AMOUNT THAT CAN BE SAFELY INTERRUPTED BY QUICK BREAK CONTACTS. THIS RELAY HAS ONLY FAILSAFE N.O. CONTACTS THAT WILL NOT CLOSE UNLESS THE DEVICE IS FULLY FUNCTIONAL AND THE SENSED CURRENT IS BELOW THE SET AMOUNT.



FEATURES

HEAT RESISTANT PHENOLIC CASE ISOLATES SENSOR AND LOW VOLTAGE CONTROL CIRCUIT CONNECTIONS FROM HIGH VOLTAGE LIVE PARTS.

USES HIGH SENSITIVITY HALL SENSOR WITH INTEGRATED MAGNETIC CONCENTRATORS WHICH CANNOT BE DESTROYED BY A STRONG MAGNETIC FIELD.

LATEST VERSION HAS TEST JACKS TO ALLOW MEASURING STRAY MAGNETISM TO FACILITATE FINE TUNING FIELD ADJUSTMENT AS INSTALLED.

MONITORS CURRENT FLOW IN EITHER DIRECTION.

NO HIGH VOLTAGE OR NEGATIVE RETURN CONNECTION REQUIRED.

NO HIGH VOLTAGE DC FUSES REQUIRED.

SPECIFICATIONS

SENSOR CHARACTERISTICS:

Factory set to measure currents as low as 50 amps DC flowing in either direction.

OUTPUT RELAY:

Two isolated Normally Open Dry Contacts.
Max Switching Voltage = 220 VDC, 250 VAC
Rated Current = 3 Amps

POWER INPUT:

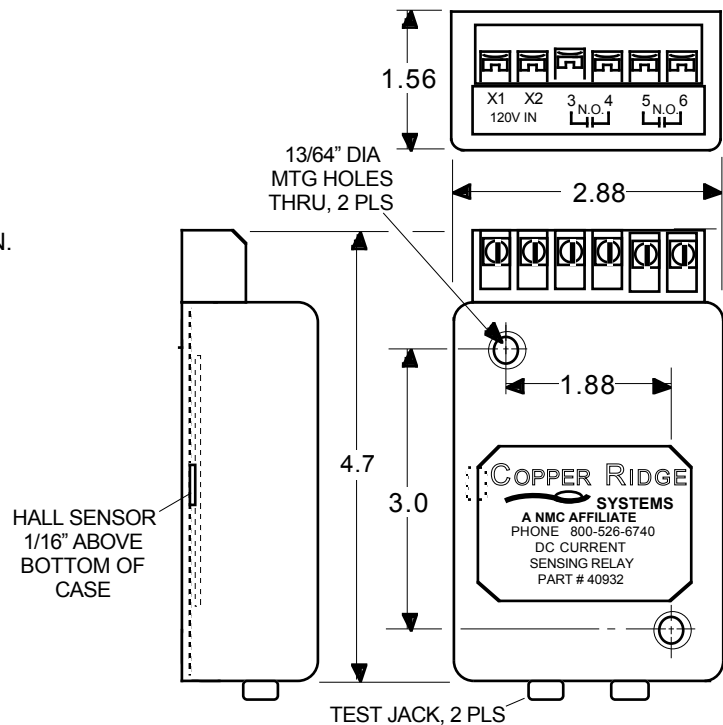
90-130 Volts AC/DC, 5 Watts Maximum.

TERMINALS:

#6 Screws with Wire Clamps.

MOUNTING:

(2) #10 x 2 inch long machine screws.



DIMENSIONS IN INCHES

POWERSWITCH, Inc.

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