

POWERSWITCH

DC TRACTION POWER CONTROL COMPONENTS

DC CURRENT SENSING RELAY COPPER RIDGE SYSTEMS - 71200 SERIES

COPPER RIDGE SERIES 71200 DC CURRENT SENSING RELAY USES THE ELECTRONIC CURRENT SENSOR DEVELOPED BY OUR POWERSWITCH AFFILIATE TO MONITOR THE LOAD CURRENT ON 600-1500VDC NO-LOAD BREAK MOTOR OPERATED DISCONNECTS. THIS NORMALLY OPEN SOLID STATE SWITCH CLOSSES WHEN THE FLUX AROUND THE DISCONNECT SWITCH BLADES IS LESS THAN THAT DEVELOPED BY A SMALL AMOUNT OF LOAD CURRENT FLOWING IN EITHER DIRECTION. THE SOLID STATE SWITCH POWERS AN INTERNAL ICE CUBE

RELAY. THE RELAY CAN BE CONNECTED TO PROVIDE A FAIL SAFE INTERLOCK TO PREVENT OPENING THE HV DC DISCONNECT WHEN LOAD CURRENT IS MORE THAN THE AMOUNT THAT CAN BE SAFELY INTERRUPTED BY THE QUICK BREAK CONTACTS.

FEATURES

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

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

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:

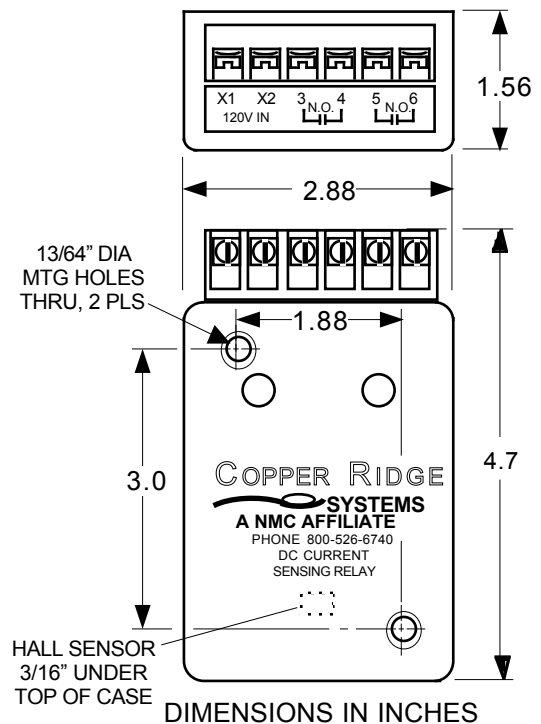
90-130 Volts AC/DC, 5 Watts Maximum.

TERMINALS:

#6 Screws with Wire Clamps.

MOUNTING:

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



POWERSWITCH, Inc.

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