

POWERSWITCH

1000 VDC TRACTION POWER
CONTROL COMPONENTS

1000 VDC CURRENT MONITORS

GORT ELECTRONIC SERIES 930400 CURRENT MONITORS WERE DEVELOPED BY A POWERSWITCH AFFILIATE TO MEET THE NEED FOR A DC RELAY DESIGNED SPECIFICALLY TO INDICATE WHEN 600-1000VDC POWERED ELECTRIFIED RAIL SNOW-MELTERS ARE ON OR OFF. THESE NORMALLY OPEN RELAYS CLOSE WHEN MONITORED CURRENT EXCEEDS A PRESELECTED VALUE. ELECTROMAGNETIC ISOLATED INPUT CURRENT MORE THAN THE PRESET VALUE CAUSES TWO SETS OF ISOLATED CONTACTS TO CLOSE TO PROVIDE LOCAL OR REMOTE INDICATION THAT CURRENT IS FLOWING TO THE MONITORED LOAD. EACH ASSEMBLY INCLUDE RING TYPE COMPRESSION LUGS AND RUBBER BOOTS FOR #6 AWG 2 KV CABLE. FOR SMALLER SIZE CABLE USE LUGS WHICH FIT 1/4" STUD TERMINALS. UNITS SET TO CLOSE AT CURRENTS BETWEEN 2 AND 40 AMPS ARE AVAILABLE, FOR EXAMPLE:

PART # **930402** IS SET TO CLOSE AT 2 AMPS,

PART # **930405** IS SET TO CLOSE AT 5 AMPS,

PART # **930407** IS SET TO CLOSE AT 7 AMPS.

FEATURES

HEAT RESISTANT PHENOLIC CASE ISOLATES HV AND LOW VOLTAGE CONNECTIONS.

ELECTROMAGNETIC ISOLATION BETWEEN CURRENT SENSING, CONTROL POWER AND OUTPUT CIRCUITS.

NEGLIGIBLE INSERTION LOSS.

PROVIDES POSITIVE INDICATION THAT POWER IS ON.

SPECIFICATIONS

HV TO LV INSULATION: 5 KVDC For 1 Min. With No Leakage

INPUT CIRCUIT AMPACITY: 40 AMPS

LINE VOLTAGE DROP: 0.3 VOLTS @ 40 AMPS

INSERTION LOSS: LESS THAN 1/2 WATT

CONTACT RATING:

10 Amp @ 250 VAC or 30 VDC

POWER REQUIREMENT:

1.3 VA @ 115 VAC or 1.5 Watts @ 125 VDC

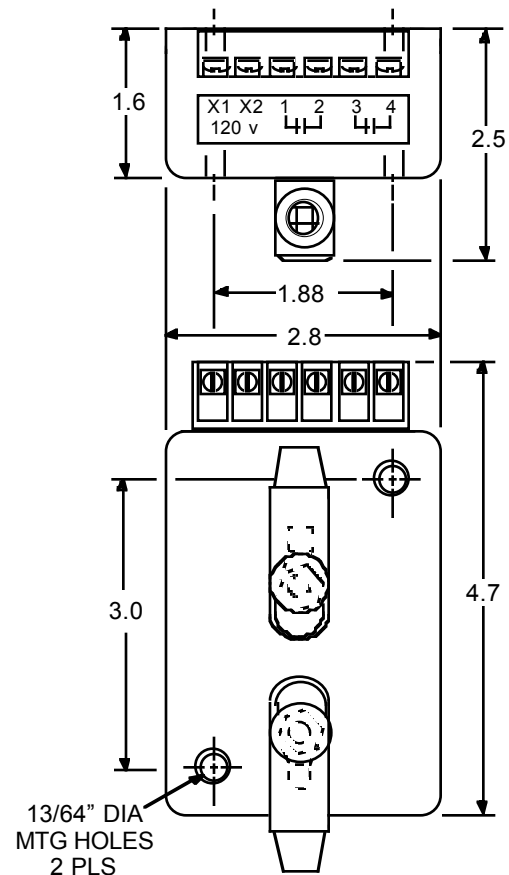
TERMINALS:

HV - 1/4-20 Brass Studs.

LV - #6 Screws with Wire Clamps.

Mounting:

(2) #10 x 2" Long Machine Screw



DIMENSIONS IN INCHES

POWERSWITCH, Inc.

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