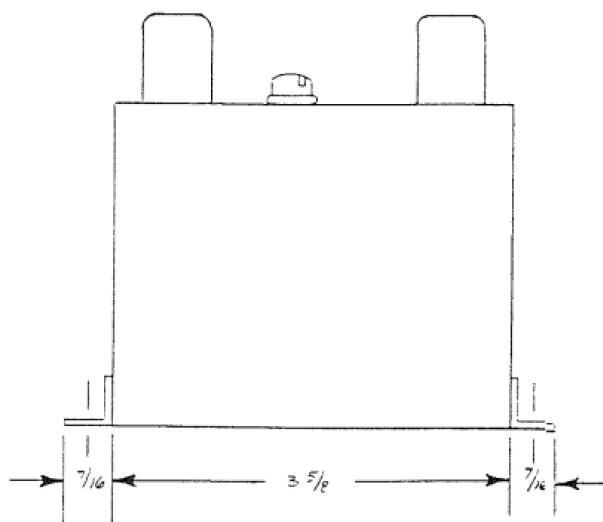
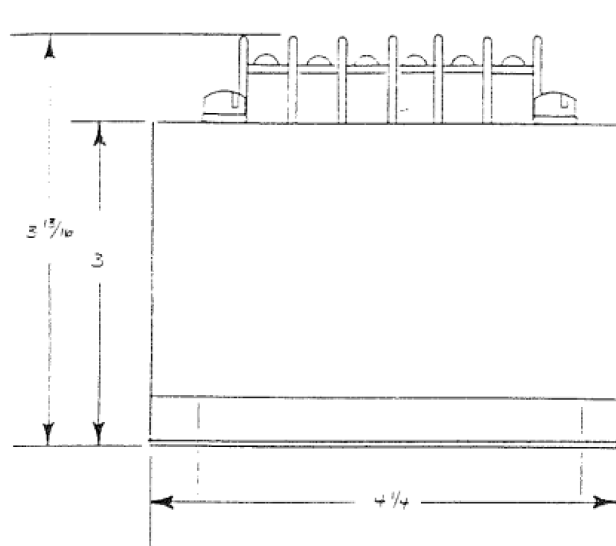
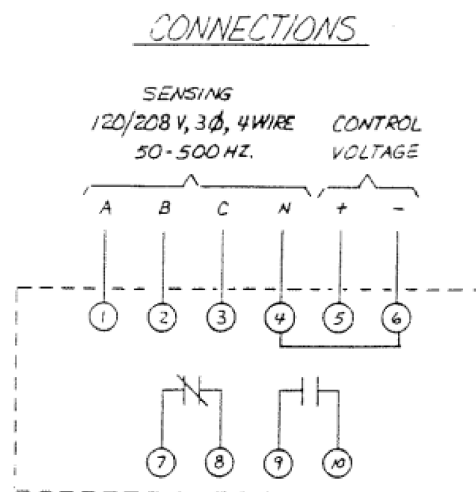
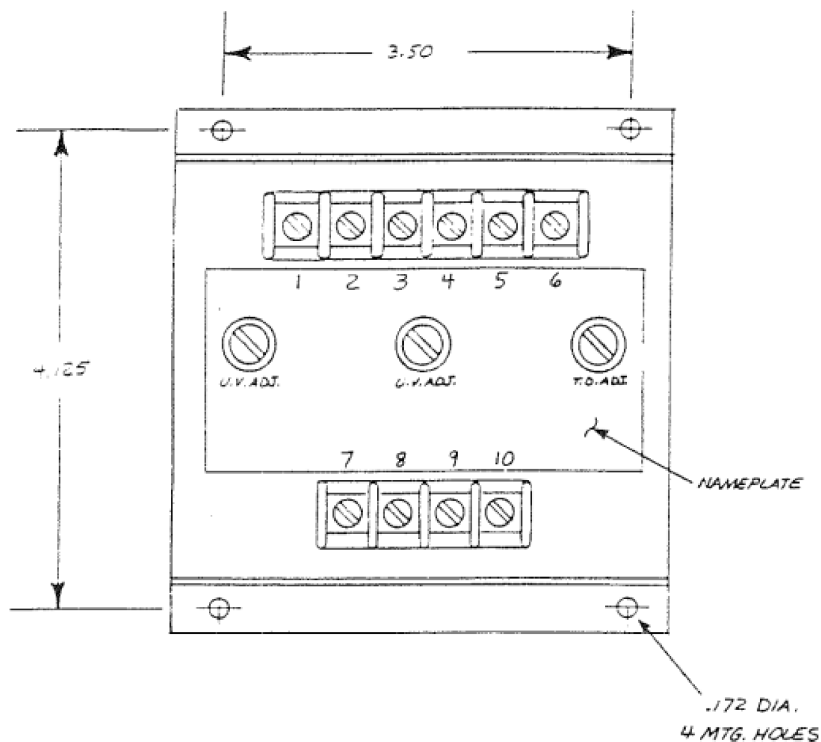


REVISIONS

REV.	ECO	DESCRIPTION	DATE	APPROVED
A	-	INITIAL DRAWING	04SEP2020	TN

OVER/UNDervOLTAGE RELAYS—MODELS 251-18X AND 251-20X



TE CONNECTIVITY
CARPINTERIA, CA 93013

TITLE

OVER/UNDervOLTAGE RELAYS
MODELS 251-18X AND 251-20X

TE P.N.

-

DWG NO.

C-251-20X-SERIES

DS DATA SHEET

CAGE CODE
25248

SCALE
NONE

SHEET
1 OF 2

REV
A

OVER/UNDERVOLTAGE RELAYS—MODELS 251-18X AND 251-20X

SPECIFICATIONS

SENSING VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE, 50-500 HZ.

CONTROL VOLTAGE:

MODEL 251-18X: 12 VDC $\pm$ 15%

MODEL 251-20X: 24 VDC $\pm$ 15%

TRIP POINT RANGE:

UNDERVOLTAGE: 100 TO 120 VOLTS, LINE TO NEUTRAL.

SCREWDRIER ADJUSTABLE

PICK-UP TO DROP-OUT DIFFERENTIAL: 2.5 V.

OVERVOLTAGE: 120 TO 140 VOLTS LINE TO NEUTRAL,

SCREWDRIER ADJUSTABLE.

TYPE OF SENSING:

UNDERVOLTAGE: LOWEST OF THE THREE PHASES.

OVERVOLTAGE: HIGHEST OF THE THREE PHASES.

DROP-OUT TIME DELAY: 0.5 TO 10 SECONDS, SCREWDRIER ADJUSTABLE.

OPERATION: THE "N.C." CONTACTS CLOSE AND THE "N.O." CONTACTS OPEN

AT THE NOMINAL VOLTAGE. THEY TRANSFER TO THE

NORMAL CONDITION AT OVER OR UNDER VOLTAGE

AFTER TIME DELAY.

OPERATING TEMPERATURE -40°F TO +158°F.

OUTPUT CONTACTS, ONE SET NORMALLY CLOSED, ONE SET NORMALLY OPEN

CONTACT RATING: 5 AMP. RESISTIVE AT 120 VAC OR 30 VDC.

CONSTRUCTION: SOLID STATE SENSOR WITH RELAY OUTPUT ENCLOSED
IN A SEALED STEEL CAN.

NOTES:

1. REMOVE BLACK SCREWS FOR ACCESS TO THE OVERVOLTAGE, UNDERVOLTAGE AND TIME DELAY ADJUSTMENTS.
2. CLOCKWISE ROTATION OF THE O.V. AND U.V. ADJUSTMENT POTENTIOMETERS WILL RAISE THE TRIP POINTS.
3. CLOCKWISE ROTATION OF THE TIME DELAY ADJUSTMENT POTENTIOMETER WILL INCREASE THE TIME DELAY.
4. THE UNDERVOLTAGE TRIP POINT IS FACTORY SET AT 110.4 V 60 HZ, L-N
THE OVERVOLTAGE TRIP POINT IS FACTORY SET AT 129.6 V 60 HZ, L-N
THE TIME DELAY IS FACTORY SET FOR 2 SECONDS ON DROP-OUT.
5. TERMINALS (A) AND (E) MUST BE CONNECTED TOGETHER EXTERNALLY, TO PREVENT
ACCIDENTAL DAMAGE TO THE INTERNAL JUMPER.



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