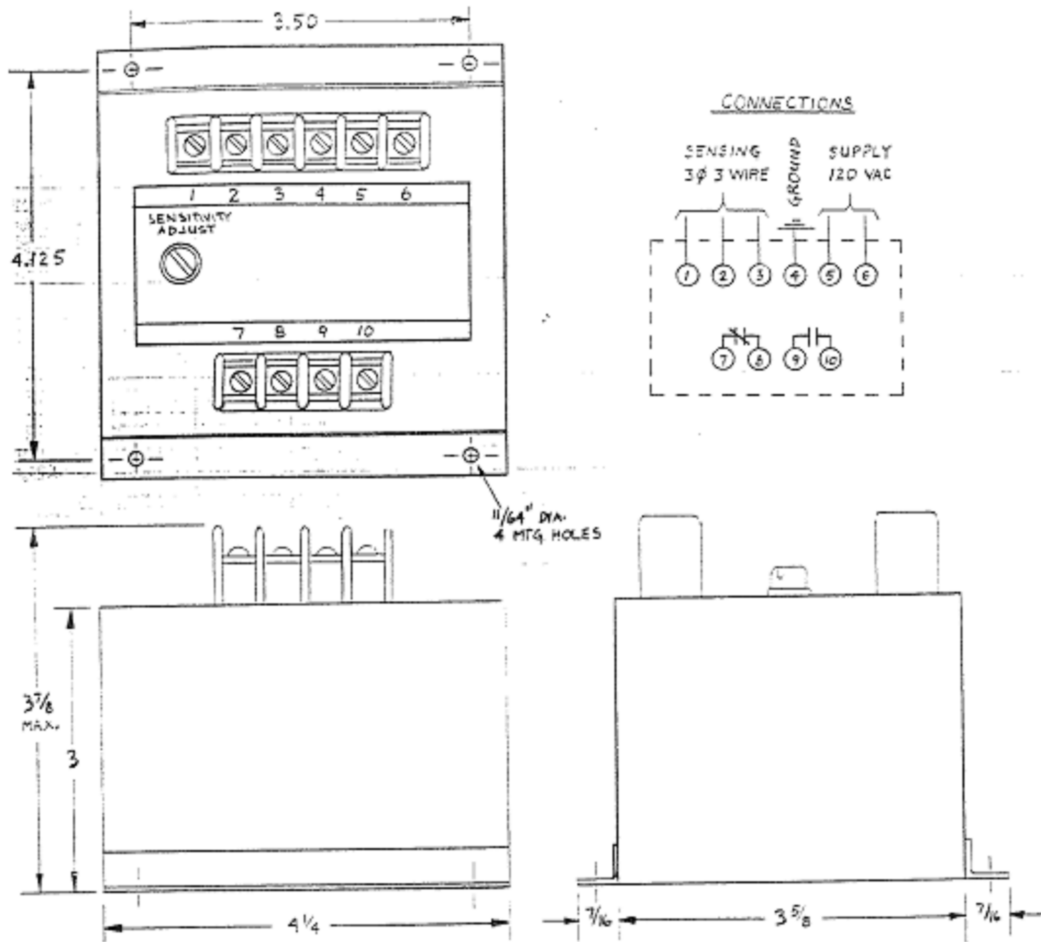


REVISIONS

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

GROUND FAULT DETECTOR (WGD SERIES)



MODEL NO.	SENSING VOLTS L-L	TRIP POINT ADJUST RANGE (PHASE TO GROUND SENSITIVITY)
WGD115-120AC	115	11 K Ω TO 55 K Ω
WGD120-120AC	120	12 K Ω TO 60 K Ω
WGD200-120AC	200	20 K Ω TO 100 K Ω
WGD208-120AC	208	21 K Ω TO 105 K Ω
WGD220-120AC	220	22 K Ω TO 110 K Ω
WGD230-120AC	230	23 K Ω TO 115 K Ω
WGD240-120AC	240	24 K Ω TO 120 K Ω
WGD380-120AC	380	38 K Ω TO 190 K Ω
WGD400-120AC	400	40 K Ω TO 200 K Ω
WGD416-120AC	416	42 K Ω TO 210 K Ω
WGD440-120AC	440	44 K Ω TO 220 K Ω
WGD460-120AC	460	46 K Ω TO 230 K Ω
WGD480-120AC	480	48 K Ω TO 240 K Ω
WGD525-120AC	525	52 K Ω TO 260 K Ω
WGD575-120AC	575	57 K Ω TO 285 K Ω
WGD600-120AC	600	60 K Ω TO 300 K Ω
WGD660-120AC-1	660	66 K Ω TO 330 K Ω



TE CONNECTIVITY
CARPINTERIA, CA 93013

TITLE

WCD-120AC-1=RELAY, CURRENT DIFFERENTIAL

TE P.N.

1-1618105-1

DWG NO.

WGD-SERIES

DS DATA SHEET

CAGE CODE
25248

SCALE
NONE

SHEET
1 OF 2

REV
A

GROUND FAULT DETECTOR (WGD SERIES)

SPECIFICATIONS

SENSING VOLTAGE: 3 PHASE, 3 WIRE, 50-400 HZ., UNGROUNDED SYSTEM.
VALUES IN ACCORDANCE WITH TABLE BELOW

CONTROL VOLTAGE: 120 VOLTS AC.

OPERATION: WHEN THE RESISTANCE BETWEEN ANY PHASE TO GROUND
FALLS BELOW THE SET POINT THE RELAY WILL ENERGIZE;
THE NORMALLY CLOSED CONTACT WILL OPEN, THE
NORMALLY OPEN CONTACT WILL CLOSE.

CONTACTS TRIP POINT (SENSITIVITY): SCREWDRIVER ADJUSTABLE.
ADJUSTMENT RANGE IN ACCORDANCE WITH THE
TABLE BELOW.

PICK-UP TIME DELAY: 15 SECONDS APPROX.

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

CONTACT RATING: 5 AMP. RESISTIVE AT 120 VAC OR 28 VDC.

OPERATING TEMPERATURE: -40°C TO +70°C

TEMPERATURE EFFECT: ±1% OVER TEMPERATURE RANGE.

POWER CONSUMPTION: SENSING: 2 mA/PHASE APPROX.
CONTROL: 2 VA AT 120 VAC.

SURGE WITHSTAND CAPABILITY: IN COMPLIANCE WITH THE
REQUIREMENTS OF ANSI/IEEE C37.90a

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

NOTES

1. REMOVE BLACK SCREW FOR ACCESS TO THE PICK-UP
ADJUSTMENT POTENTIOMETER.
2. CLOCKWISE ROTATION OF THE ADJUSTMENT POTENTIOMETER
WILL RAISE THE RELAY SENSITIVITY.



TE CONNECTIVITY
CARPINTERIA, CA 93013

TITLE

GROUND FAULT DETECTOR (WGD SERIES)

TE P.N.

1-1618105-1

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SCALE
NONE

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2 OF 2

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