



Order Number

Serial Number

2V630K3 TEST PROCEDURE

AC VOLTAGE SENSING RELAY

1. TEST EQUIPMENT REQUIRED

AC Variable Power Supply, HV Test Equipment ,Digital Volt Meter.

2. ASSOCIATED DRAWINGS

660-130-201 Circuit Diagram PCB

660-130-300 Loading Diagram PCB

3. HIGH VOLTAGE TESTING

1. Apply 2KV RMS 50Hz between terminal groups 1 and 2 in table 1 below for 1 minute.
2. Apply 3 5Kv 1/50us pulses of each polarity between terminal groups 1 and 2 in table 1 below.

TABLE 1

GROUP 1

9,10
All terminals

GROUP 2

3,4,5,6,7,8, & FRAME
FRAME

4. CALIBRATION & TEST PROCEDURE

1. Set pick-up knob to 15. Apply 150 volts to input and adjust R2 until relay picks-up.

<u>MIN</u>	<u>MAX</u>	<u>NOM</u>	<u>ACTUAL</u>
142.5	157.5	150.0	<input type="text"/> V

2. Set pick-up knob to 7.5 . Apply 75 volts to input and adjust R16 until relay picks-up.



CALIBRATION & TEST PROCEDURE (cont)

<u>MIN</u>	<u>MAX</u>	<u>NOM</u>	<u>ACTUAL</u>
71.25	77.25	75.0	<input type="text"/> V

3. Set pick-up knob to 15. Re-check 150 volt range and then apply 144 volts to input and adjust R17 until relay drops-out.

<u>MIN</u>	<u>MAX</u>	<u>NOM</u>	<u>ACTUAL</u>
94	98	96	<input type="text"/> %

5. GENERAL & FUNCTIONAL

Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026

PASS

TESTED BY : _____ DATE : _____