



Order Number

Serial Number

## 2V730K20 TEST PROCEDURE

### AC VOLTAGE SENSING RELAY

#### 1. TEST EQUIPMENT REQUIRED

AC adjustable Power Supply.      Digital Voltmeter.

#### 2. ASSOCIATED DRAWINGS

690-089-201      Circuit Diagram

#### 3. HIGH VOLTAGE TESTING

Check that no breakdown occurs when 2KV RMS is connected between the input and outputs for one minute.

#### 4. CALIBRATION & TEST PROCEDURE

- a) Set R2/38 to mid range.  
Set R11/30 to mid range.  
Apply 230 Volts to the input and adjust R12/29 until the relay picks up. The front panel LED should glow when the relay picks up.
- b) Set R13/28 to full resistance (fully anti clockwise).  
Set R14/27 fully anticlockwise.  
Increase the input voltage until the relay picks up then decrease the voltage to 216V (94%). The relay will drop out at this value by adjusting R14/27.
- c) Apply 240V to both inputs at the same time. Supply 1 should always operate first.
- d) Check switch over function by disconnecting Supply 1, reconnect Supply 1 then disconnect Supply 2.

#### 5. GENERAL & FUNCTIONAL

- a) Check that the output relay contacts are making and breaking correctly.
- b) Check silicon insulating material has been used to isolate transformer primary terminals.
- c) Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026

PASS

TESTED BY : \_\_\_\_\_ DATE : \_\_\_\_\_