NOTICE OF APPROVAL
AVIS D'APPROBATION

E-163

Ottawa, April 9, 1979

WESTINGHOUSE TYPE W-3 ISOLATION RELAY

Input: An external 3 wire KYZ, 120V ±10% a.c.
                      source is required to operate two relays
                      alternately.

Ouptut: Two pairs of contacts, one of each pair
                      on each relay, produce two separate 3 wire
                      KYZ dry contact outputs.

Relay Type: Sigma dry contact, transparent cover, octal
                      base, type no. 42R06Z-4000 ACG-SIL or
                      equivalent.

Operating Voltage: 120V a.c. ±10%, 50 or 60Hz

Contact Rating: 5 amperes maximum at 120V a.c. or 28V d.c.

Dielectric Strength: 1000V a.c. except across the contacts,
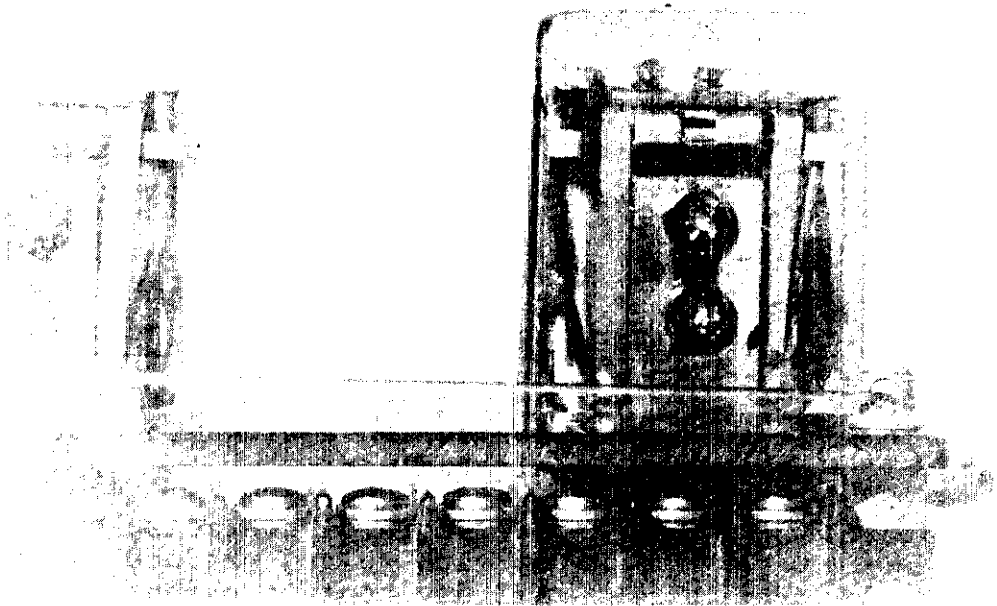   which are rated 500V d.c. or 350V r.m.s.

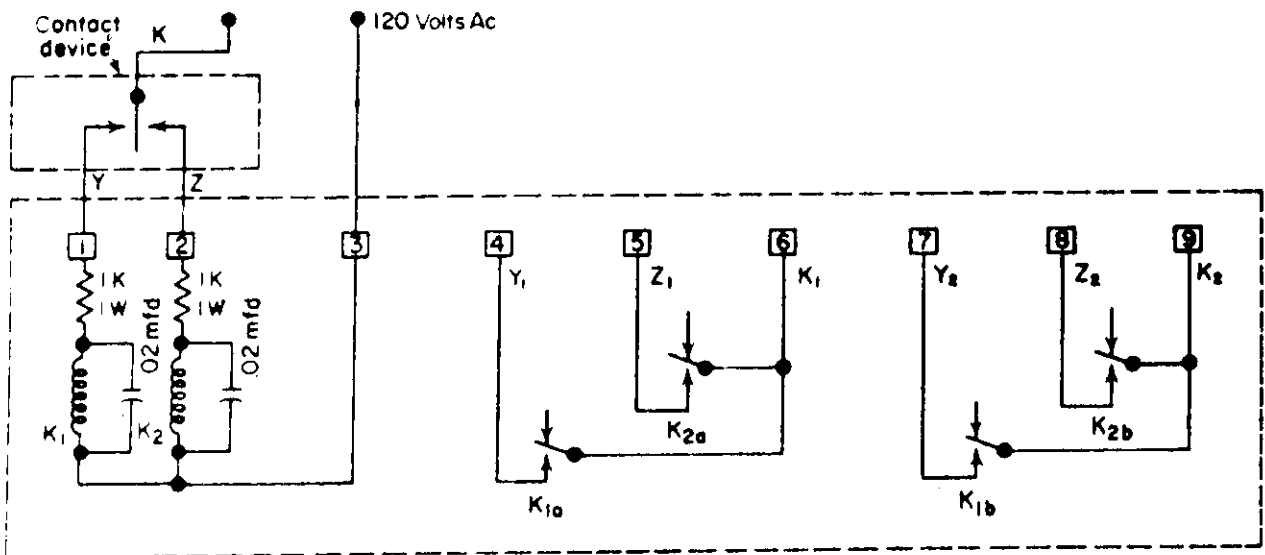Temperature Range: -40°C to +70°C

Description

    The type W-3 isolation relay provides two 3-wire control
outputs from a single 3-wire input. This makes it possible to
operate two demand meters or totalizing relays from a single
3-wire pulse initiator. It also provides isolation for the
pulse initiator from pilot wires to a remote pulse receiver.

    A 1000 ohm resistor is connected in series with each
relay coil between terminals 1 and 2 and the relay socket
pins to limit current flow and a 0.02 microfarad capacitor is
connected in parallel with each relay coil to provide arc
suppression for the contacts of the pulse initiating device.

    Access to the chassis interior, and external terminals
is prevented by sealing wire which passes through drilled
chassis cover screw heads and terminal cover screw heads.
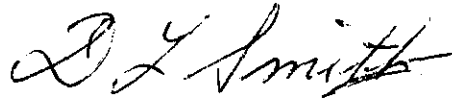
W-3 Wiring Diagram

- 3 -

Withdrawal of the relays while in service is effectively prevented by a screw and plastic washer which fits into the centre post of each relay plug and overlaps the under side of the octal socket.

The type W-3 isolation relay may be mounted in any position, but for outdoor use, it must be installed on a weatherproof enclosure.

Approval granted to: Westinghouse Canada Limited
                              Hamilton, Ontario

D. L. Smith
Chief,
Electricity and Gas Division
Legal Metrology Branch

Ref: G 6565-C3-43