



NOTICE OF APPROVAL
AVIS D'APPROBATION

E-53-3

Ottawa, February 10, 1977

STATREL TYPES CCR-2WA CONTACT CONVERSION RELAY

This notice constitutes an addition to Approval Notices E-53, May 28, 1973, E-53-1, May 6, 1974 and E-53-2, November 26, 1974 which remain in effect.

Input	SPST (2-wire) dry contacts
Input Pulse Rate	50 per second (maximum)
Minimum Pulse Duration	10 milliseconds
Maximum Input Resistance (1)	1000 OHMS
Voltage across open input contacts	12 VDC
Current through closed input contacts	1.2 mADC
Number of Channels	2
Input/Output Pulse Ratio	1:1
Output Switching	Transistor - Suitable for driving Westinghouse Type WR Series 3 wire demand recorders Series: WR-2C, WR-4C, WR-32, WR-34
Operating Temperature Range	-25°C to 55°C
Power Supply	115V AC \pm 10%, 3.5 VA

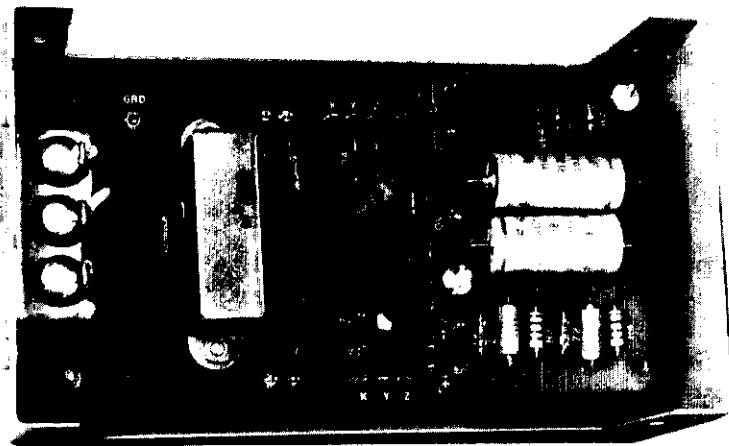
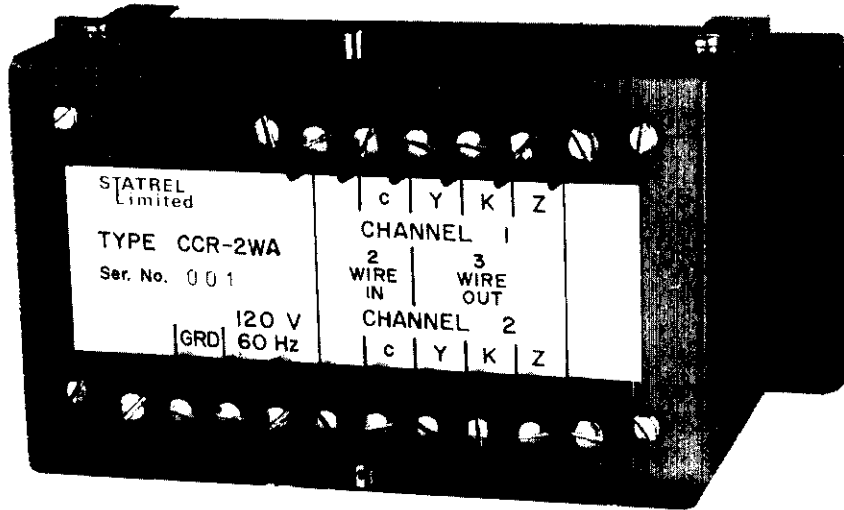
(1) Total resistance of metallic transmission line.

DESCRIPTION

The Type CCR-2WA Contact Conversion Device is designed as an interface between a primary meter having a two-wire, dry contact, pulse initiator and a Westinghouse Type WR Digital Demand Recorder. Such a recorder is designed to respond to pulses generated by three-wire pulse initiators.

The CCR-2WA device is totally solid-state, with no moving parts.

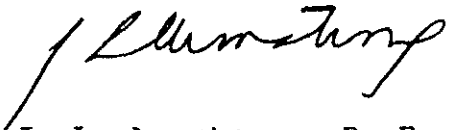
Two independent channels are provided so that it is capable of simultaneously accepting two streams of two-wire data pulses. Because the power supply is common to both channels the pulse initiating contacts of the two channels must be electrically isolated.



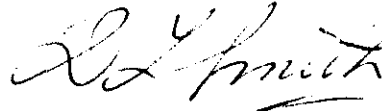
It should be noted that though this device is suitable for operating type WR demand recorders it may not be compatible with other types of three-wire recorders.

Approval granted to:

Statrel Limited
Mississauga, Ontario



J. L. Armstrong, P. Eng.
Chief
Standards Laboratory



D. L. Smith, P. Eng.
Chief
Electricity & Gas Division

Metrology and Laboratory Services

Ref: G 6565-S688-43