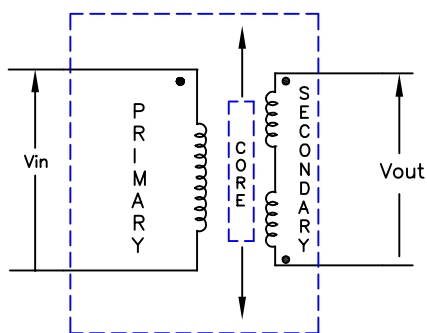


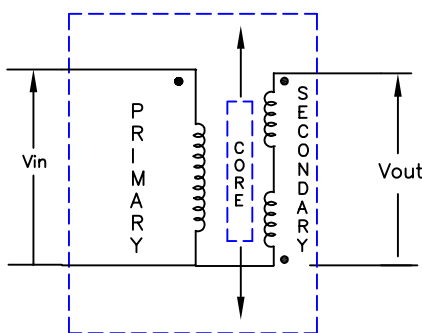
SPECIFICATIONS:

LVDT/RVDT SIGNAL CONDITIONER Type : 24 VDC INPUT – 4–20 mA OUTPUT.

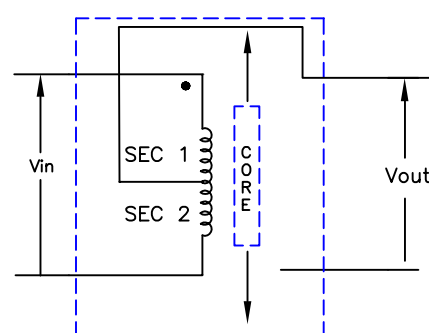
1. Input: 18–32 Volts DC – 100 mA DC current max.
2. Output: Signal – 4 to 20 mA DC current
Noise and Ripple – < 20 micro amp RMS.
Frequency Response: –3 dB @ 250 Hz
Loop Resistance: 750 ohms max (24 Volts required for output not to saturate.)
3. Power supply isolation to Signal Conditioner: 1000 VDC
4. LVDT/RVDT Excitation: 3.3 Volts AC RMS Typ @ 3 kHz
into LVDT Primary impedance of 300 ohms Minimum.
capable of driving 100 meter long cable (e.g. Alpha 55371)
5. Linearity: $\pm 0.02\%$ of Full Scale Typical.
6. Gain Adjustment: Four Settings thru DIP switch SW1 selection (see instruction manual)
Fine Setting thru 25 Turns Potentiometer marked Span.
Disconnect power and select the appropriate switch before use.
7. Offset (Zero) adjustment: Fine Setting thru 25 Turns Potentiometer marked "Zero"
8. Phase Adjustment: Use only when necessary – engage through Jumper selection.
LAG or LEAD shift via Settings thru DIP switch SW2 selection (see instruction manual)
9. Fault indicator: (A) Red LED lights when fault occurs
(e.g. one or more leads of Transducer are disconnected from Conditioner).
(B) Relay output: Normally closed. 24 VDC 1 A current capacity.
Opens when Fault occurs or upon loss of Supply (24 V DC).
Proper fault detection function will depend upon LVDT/RVDT type.
10. Temp. Range : Operating -40° F to 131° F (-40° C to 55° C)
Storage -40° F to 257° F (-40° C to 125° C)
11. Test Temp.: 25° C (77° F)
12. **WARNING: MISCONNECTIONS MAY CAUSE PERMANENT DAMAGE.**



LVDT/RVDT (4 WIRE)
SCHEMATIC



LVDT/RVDT (3 WIRE)
SCHEMATIC



3 WIRE BRIDGE TYPE
SCHEMATIC

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DATE	SYM	REVISION RECORD	AUTH	DR	CK

TOLERANCES

DECIMAL

$\pm$.xx SEE
.xxx PAGE
1

ANGULAR

$\pm$

CAGE CODE ONNX8

MATERIAL :

SEE PAGE 1

TITLE

SIGNAL CONDITIONER

DATE

10/12/12

SENTECH, INC.

SCALE

NTS

DRAWN BY DP

APPROVED BY

MODEL

SCDR532

DRAWING NUMBER

861032-00

REV –

PAGE 2 of 2