

DESCRIPTION LDCL-XXXZS transducers are able to measure low DC currents while still offering a split-case design with a large (2") window. The device provides high accuracy at low current levels with very low residual offset in the presence of large over-range events. The split-core enclosure makes installation easy, without circuit interruption.

FEATURES

- Low residual offset
- Split-core
- Bidirectional
- Non-contact
- Input/Output isolation
- Low power consumption



MODEL SELECTION

MODEL NUMBER

LDCL -

XXX	Z	S
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XXX	DC Range	Z	Output Type
005	0-±5Adc	B	0-±1mAdc
010	0-±10Adc	D	0-±10Vdc
020	0-±20Adc	X5	0-±5Vdc
025	0-±25Adc	E	4-20mAdc
050	0-±50Adc	EM	4/12/20mAdc

ORDERING INFORMATION

Example:
5Adc Input 0-±1mAdc Outputs
LDCL-005BS

SPECIFICATIONS

INPUT

Current Range See model selection
Over-range (w/o damage) 500A

DIELECTRIC TEST

Input window to case, instr.pwr., output 2200Vac
Inst. Power to output 1kVdc
Insulation class 600Vac

INSTRUMENT POWER

Standard 24Vac/24Vdc, ±10%
Option "-12" 12Vac/12Vdc, ±10%
Current...nominal 80mA
 maximum 100mA

OUTPUT

Scaling...Models B, D, X5 ... 0 to ±FS dc in = 0 to ±FS out
 Model EM
 -FS dc/0/+FS dc in = 4/12/20mAdc out
 Model E (unidirectional)
 0-FS dc in = 4-20mAdc out
Loading...Models E and EM 0-500Ω
 Model B 0-10kΩ
 Models D and X5 ≥2kΩ
Response time (90%) <5ms (typical)

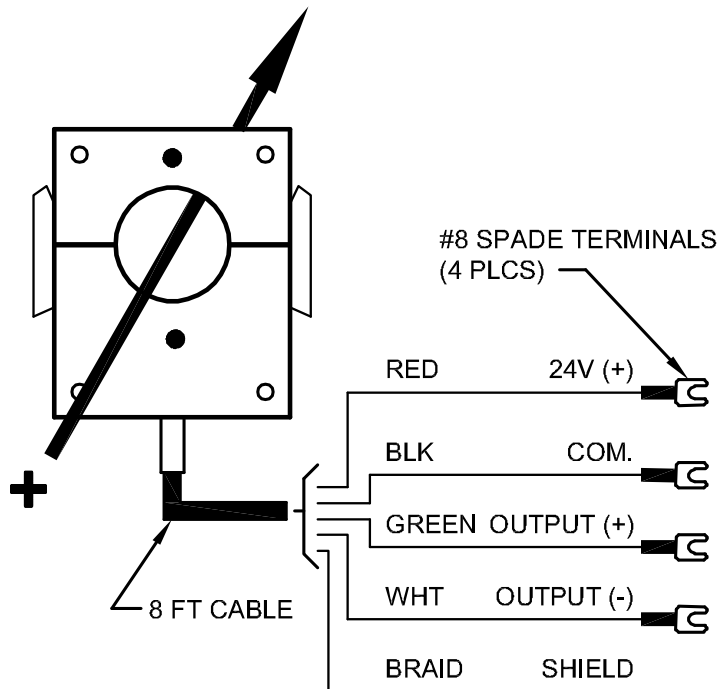
ACCURACY

Linearity, offset, setpoint and repeatability ≤1.0% F.S.
Linearity ≤0.25%F.S.

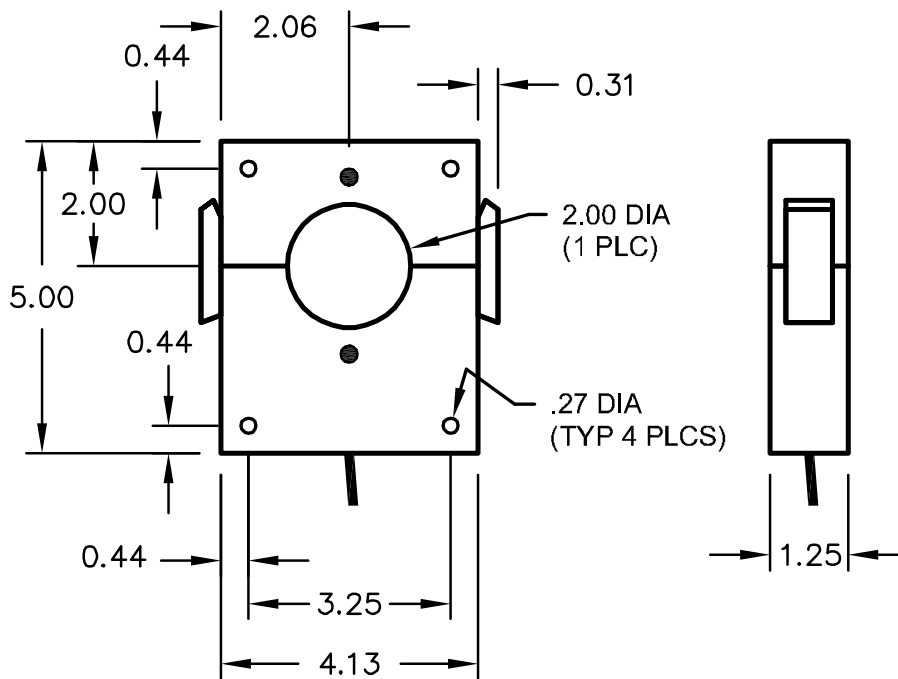
TEMPERATURE

Operating range -10°C to +60°C
Temperature effect ±0.025%/°C
Storage -40°C to +85°C

CONNECTION DIAGRAM



CASE DIMENSIONS



ALL DIMENSIONS IN INCHES.
TOLERANCE: ± 0.03 INCHES.

Dwg# 0902-01044-B Rev --