

**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

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 ..... 3000Vdc  
Inst. Power to output ..... 1kVdc

#### INSTRUMENT POWER

Standard ..... 20-28Vdc, 20-28Vac (50-60Hz)  
Current...nominal ..... 80mA  
          maximum ..... 100mA  
“-12” Option ..... 10-15Vdc, 10-15Vac (50-60Hz)  
Current..... nominal ..... 150mA  
          maximum ..... 220mA

#### TEMPERATURE

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

#### 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)

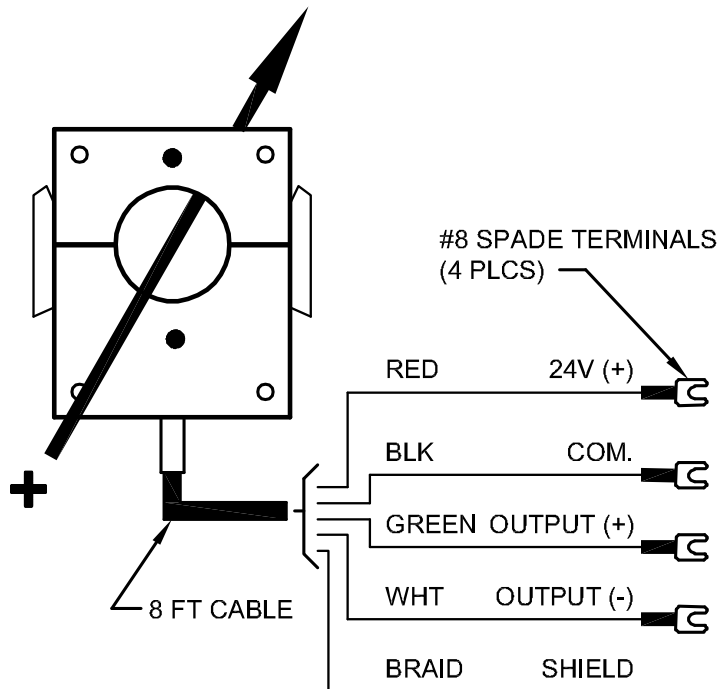
#### ACCURACY

Linearity, offset, setpoint and repeatability ..... ≤1.0% F.S.  
(with over-range <40x)  
Linearity ..... ≤0.25%F.S.

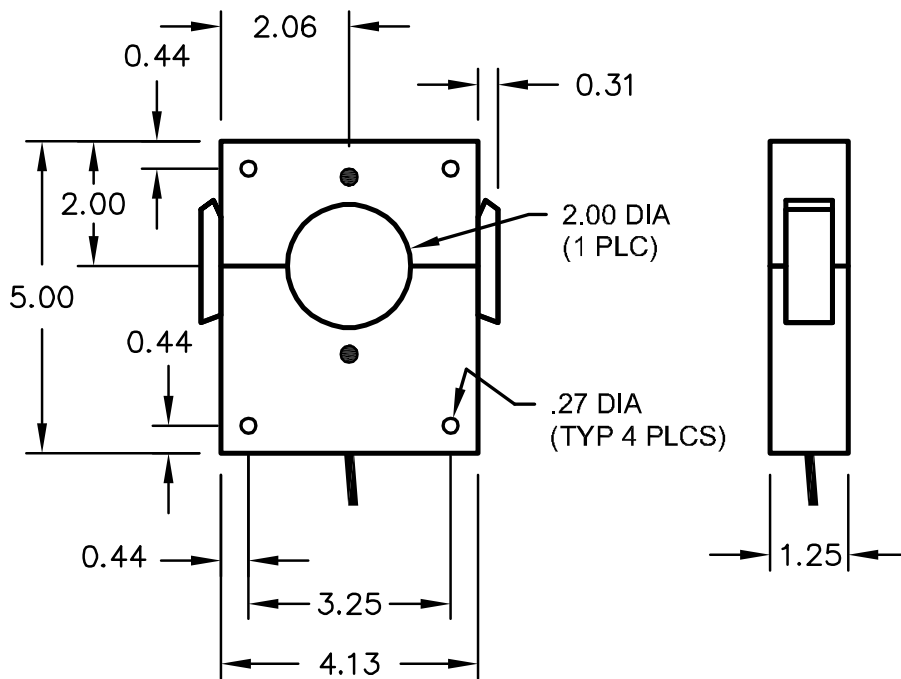
#### PHYSICAL

Weight ..... 1.1lbs

CONNECTION DIAGRAM



CASE DIMENSIONS



ALL DIMENSIONS IN INCHES.  
TOLERANCE: ±0.03 INCHES.

Dwg# 0902-01044-B Rev --