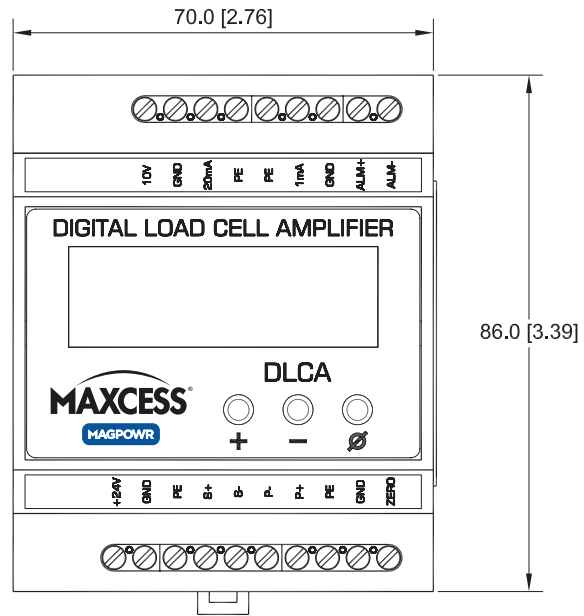
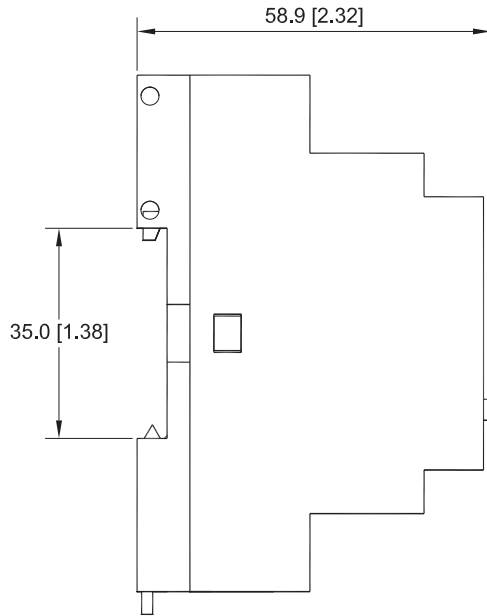


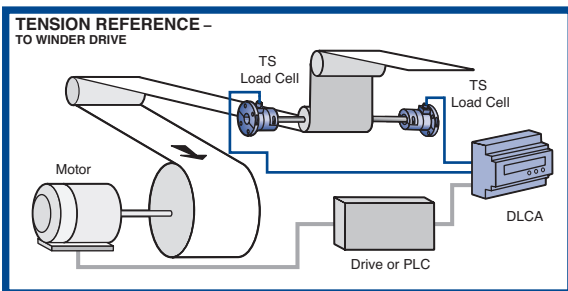
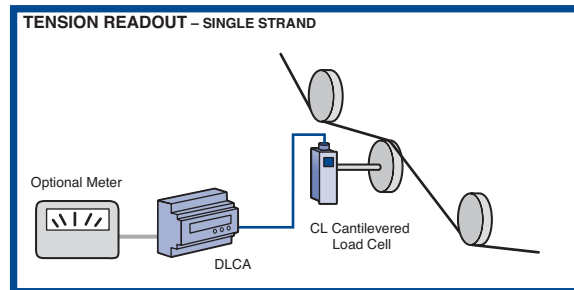
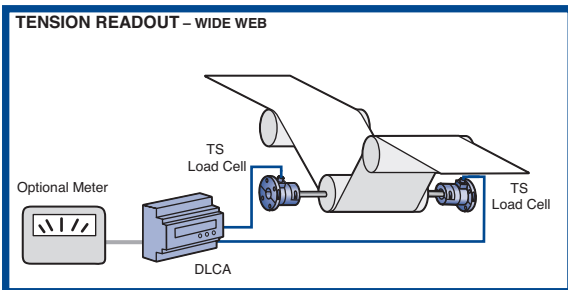
MAGPOWR DIGITAL LOAD CELL AMPLIFIER

DIMENSIONS



Dimensions shown in mm (inches)

TYPICAL APPLICATION



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MAGPOWR DIGITAL LOAD CELL AMPLIFIER

MAXCESS®

MAGPOWR



TIDLAND

The new Digital Load Cell Amplifier (DLCA) is a low-cost, yet powerful and versatile DIN rail mounted digital amplifier used to multiply a millivolt tension signal to a usable 0 to 10 VDC and 4 to 20 mADC analog output.

The DLCA is compact in size, but incorporates ease of use and setup with three push buttons and a four-segment display, fully programmable low pass filter for each output, tension alarm set points, quick and easy calibration, and even weightless load cell calibration.

These features combined with superior drift and linearity performance makes the DLCA an easy choice when needing a tension reference to a drive or PLC for displaying or controlling tension.



GENERAL SPECIFICATIONS

Product Name: DLCA, Digital Load Cell Amplifier	Gain: 32:1
Supply Power: 24 VDC, +/- 10%, 0.14 ADC Maximum	Display: 4-digit LED
Inputs: Load Cell Excitation: 5 or 7.5 VDC, 100 mADC Maximum	Enclosure: IP20
Load Cell Sensitivity: 1.5 to 100 mV/V single sensor or pair	Mounting: DIN 35 Rail
Digital Input (re-zero): 24 VDC maximum 5 VDC or 24 VDC selectable threshold	Certifications: CE (EN61326-1) TUV Mark (UL61010-1, CAN/CSA-C22.2# 61010-1, CB to IEC 61010-1) RoHS
Outputs: Analog Outputs 0 to 10 VDC, 5 mA, 2 kohm minimum load 4 to 20 mADC, 450 ohm maximum load	Temperature Range: Operating: 0 to 50 degrees C, (32 to 122 degrees F) Storage: -20 to 80 degrees C, (-4 to 176 degrees F)
Reference Meter output 0 to 1 mADC, 1 kohm maximum load or 0 to 10 VDC, open circuit	Climatic Class: 3K3 (EN60721)
Alarm Output 30 VDC Maximum, 0.4 ADC maximum	Pollution Degree: 2 (IEC664-1)

KEY FEATURES

- Compact enclosure requires minimal space (same as LCA)
- Setup and calibration through 3 push buttons and digital display
- Weightless load cell calibration
- 0 to 10 VDC and 4 to 20 mADC outputs
- Current output can be adjusted to 0 to 20 mADC or 0 to 10 mADC
- Meter reference output is 0 to 10 VDC or 0 to 1 mADC
- Outputs and display have fully adjustable and separate digital filtering
- One push button for re-zeroing, with optional input for remote re-zeroing
- Alarm output configurable for high tension, low tension, high and low tension, or in between high and low tension
- Works with 5 and 7.5 VDC excitation sensors with 1.5 to 100 mV/V sensitivity
- 32:1 gain adjustment
- Automatic load cell diagnostics/fault indicator