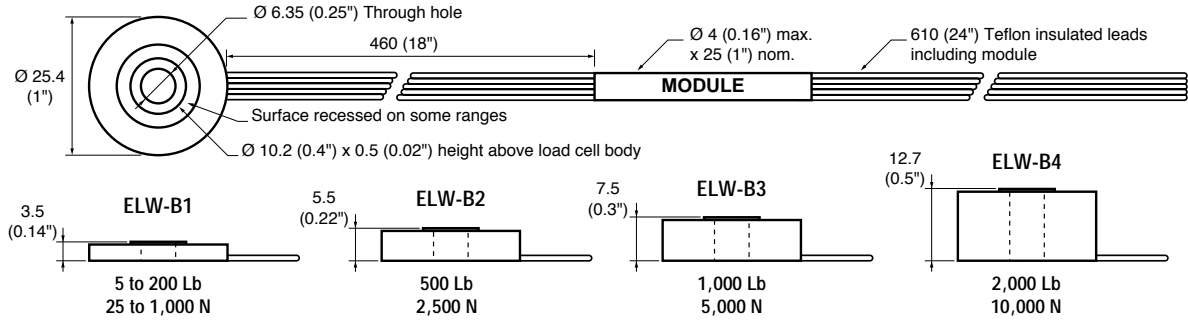


ELW Series Load Cells



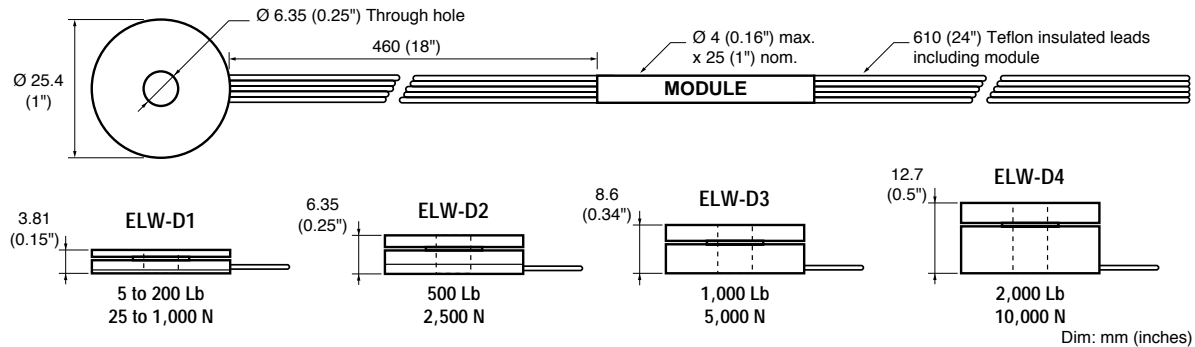
Miniature - Low Profile Washer

ELW-B1, -B2, -B3 & -B4



PLEASE NOTE THE HIGH BUTTON STRESS FOR RANGES OF 500 LBS, 2500 N AND ABOVE

ELW-D1, -D2, -D3 & -D4



Dim: mm (inches)

ELW Series

BODY STYLES	Lb RANGES "FS"	N RANGES "FS"	OVERRANGE LIMIT	OUTPUT "FSO" nom.
ELW-B1 & -D1	5	25	2x FS	250 mV
ELW-B1 & -D1	10	50	2x FS	250 mV
ELW-B1 & -D1	20	100	2x FS	250 mV
ELW-B1 & -D1	100	500	2x FS	250 mV
ELW-B1 & -D1	200	1000	2x FS	250 mV
ELW-B2 & -D2	500	2500	1.5x FS	250 mV
ELW-B3 & -D3	1000	5000	1.5x FS	250 mV
ELW-B4 & -D4	2000	10000	1.2x FS	250 mV

EXCITATION:	15VDC
IMPEDANCE IN:	2000 Ω nom.
IMPEDANCE OUT:	1000 Ω nom.
SENSING TECHNOLOGY:	Semiconductor
NON-LINEARITY:	±1%FSO
HYSTERESIS:	±1%FSO
DEFLECTION AT "FS":	<0.013mm (<0.0005") nom.
THERMAL ZERO SHIFT:	±2.5mV/50°C (±2.5mV/100°F)
THERMAL SENSITIVITY SHIFT (TSS):	±2.5%/50°C (±2.5%/100°F)
OPERATING TEMPERATURE:	-40°C to 120°C (-40°F to 250°F)
COMPENSATED TEMPERATURE:	20°C to 80°C (70°F to 170°F)
ZERO OFFSET AT 20°C (70°F):	±15mV typ.
MODE:	Compression (+Signal Output for Compression)
CALIBRATION:	Compression

■ "Off-the-Shelf" Stocking Program

 www.entran.com	ELW LOAD CELLS Miniature Low Profile Washer	Entran Sensors & Electronics USA: Fairfield, NJ UK: Garston, Watford, Herts, England Europe: Les Clayes-sous-Bois, France		
		SPECIFICATION	ISSUE	PAGE
		ELWS0001U	PA1	1 of 2

ELW specifications continued ...

Options and Accessories:

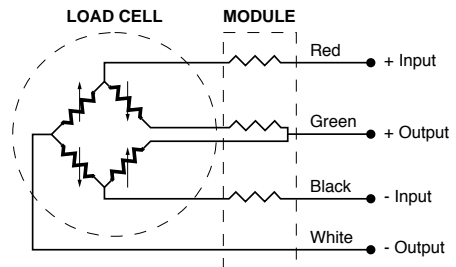
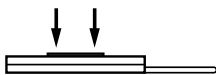
COMPENSATED TEMPERATURE RANGES:	STANDARD	= 20°C to 80°C (70°F to 170°F)
	Z1	= -20°C to 40°C (0°F to 100°F)
	Z2	= 0°C to 60°C (32°F to 140°F)
	Z4	= 40°C to 90°C (100°F to 200°F)
	Z*	= Non-standard, contact Entran
5 WIRE BRIDGE WIRING FOR ADJUSTABLE ZERO OFFSET:	5	= 5 Wire
EXCITATION VOLTAGE:	STANDARD	= 15VDC
	V00	= Replace "00" with Excitation between 1 and 15. If less than 15, Sensitivity (FSO) will decrease accordingly.
	V*	= Non-standard Excitation with standard FSO and non-standard TSS, contact Entran
SPECIAL LEAD LENGTH:	L00F	= Replace "00" with total length in feet.
	L00M	= Replace "00" with total length in meters.
SPECIAL MODULE LOCATION:	M00F	= Replace "00" with distance between sensor and module in feet.
	M00M	= Replace "00" with distance between sensor and module in meters.
CONNECTOR WIRED TO LEADS:	C	= Microtech type male (w/o mate)
	R	= RJ Telephone type male (w/o mate)
	RQ	= Pins to mate with MM50 screw terminals
CUSTOM DIAMETERS:	000011	= Replace "0000" with outer diameter in inches.
	000012	= Replace "0000" with inner diameter in inches.
	0000M1	= Replace "0000" with outer diameter in millimeters.
	0000M2	= Replace "0000" with inner diameter in millimeters.
MATING CONNECTORS FOR CONNECTOR OPTIONS:	See Cable and Connector Bulletin	

Model Number construction:

<u>ELW</u> Series	-	<u>B1</u> Bodies	-	<u>100</u> Range	<u>N</u> Units	-	<u>/Z1/L2M/R</u> Options
		B1 B2 B3 B4 D1 D2 D3 D4		(K used for 1000 Ex.: 1K)	N=Newtons L=Pounds		C, R or RQ L00F or L00M M00F or M00M V1 thru V15 or V* X Z1, Z2, Z4, or Z* 5

■ "Off-the-Shelf" Stocking Program

Mounting & Wiring:



Entran®	ELW LOAD CELLS	SPECIFICATION	ISSUE	PAGE
		ELWS0001U	PA1	2 of 2