

EasyWeb™ Torque Controller



Open Version (Panel Mount)

The EasyWeb™ is an open loop torque controller designed to maintain constant web tension or provide taper tension to center driven rewind or unwind applications. No tension transducers are needed. Web tension is regulated by controlling motor or brake torque based on a measured or calculated change of roll diameter. An Inertia Compensation parameter is provided to obtain greater control of web tension during changes in line speed.

The EasyWeb™ can accept signals from a direct diameter sensor or calculate diameter using line and roll speed signals.

The user interface provides a bright OLED display for easy viewing in any lighting and viewing angle, while a large front dial allows fast, easy scrolling through the user menu.

The jumper selectable 0-10VDC or 4-20mA control

output allows the EasyWeb™ to control a variety of torque devices to regulate web tension including brakes, clutches, and motors. Output modes are designated as follows:

Drive output (D): 0-10Volt DC OR 4-20mA compensated output. Used to control AC or DC drives or other variable speed drive systems. This output is isolated from earth ground to make it more compatible with all drives.

Pneumatic output (P): Used to actuate any air-operated brake or clutch. The standard version includes a servo valve and pressure regulator installed in a separate enclosure.

High Voltage output (V): Uses Silicon Controlled Rectifiers (SCR's) to produce a standard variable voltage of up to 90Vdc to operate any electric brake or clutch, including eddy current clutches.

FEATURES

- Organic LED display.
- Menu scroll knob and soft keys for selection.
- Wall-mount full enclosure or open panel-mount
- Power inputs: 100-240VAC 60/50 Hz or 24 VDC.
- Isolated 0-10VDC. Available on D model only.
- Integrated diagnostic tools.
- Inertia Compensation.
- Automatic and Manual control modes.
- Emergency Stop circuit.
- Operator lock-out.
- Taper Tension. Tapers tension as rewind roll size increases.
- Soft Start.
- Min/Max diameter alarm contact
- Standard pulse tachometer line and roll inputs
- Remote Output and Auto On/Off input

OPTIONS

- **230 Volt Power (230).** V version only, for V-out module input. Not customer adjustable.
- **24VDC or 45VDC Output (24,45).** V version only.
- **Isolated 4-20mA (420)** control output. Available on D output model only.
- **DIN-Rail Mounting Clip (DRC).** Fits 35mm DIN rail. Available only on V version, for V-Out Module.
- **Metric Pneumatic Fittings (MPF).** P output mode only.
- **Line and Roll speed (LDC, RDC)** DC Tachometer cards.

SPECIFICATIONS

Power Input:

- 24VDC +/-10% , 0.6 Amps Typical, 2.2 Amps Internal Fusing (automatically resetting thermal fuse)
- **OR** -
- 100-240VAC +/-10%, 50-60Hz single phase, 0.70 Amps @ 115VAC Typical, 0.40 Amps @ 230VAC Typical, Inrush Current 30A @ 230VAC (cold start)

Control Output:

Version D:

- 0 to 10VDC OR 4-20mA (jumper selectable), both isolated from input power circuitry.
 - 0 to 10VDC max loading is 5mA. This requires a 2000 Ohm or greater input resistance for equipment connected to this output.
 - 4-20mA max loop resistance is 500 Ohms.

Version P:

- Input: 100 to 125 psi Max.
- Output: 2 to 75 psi (0.14 to 5.17 bar)
- 4-20 output not available on Version P

Version V:

Power Input:

- 115 OR 230VAC 50/60Hz single phase
Note: 115 or 230 VAC is factory set. Specify when ordered.
- 0-10VDC output not available on Version V

- Output Circuitry fused at 5 Amps
- AC Input Circuitry fused at 125mA @ 115VAC - **OR** - 63mA @ 230VAC
- Output:
 - 0 to 24, 45, or 90VDC, all @ 5 Amp with 115VAC In OR
 - 0 to 45 or 90VDC, both @ 5 Amp with 230 VAC In
- Enclosure:** Steel, powder resin painted, NEMA 1.
- Pneumatic Enclosure:** Air Connections: In = 3/8" push fitting, Out = 1/4" push fitting.

Weight:

DC Panel Version:	1.0 lbs. (0.45 kg)
AC Panel Version:	1.1 lbs. (1.41 kg)
DC Enclosure Version:	4.6 lbs. (2.09 kg)
AC Enclosure Version:	4.7 lbs. (2.13 kg)
Pneumatic Module:	4.6 lbs. (2.09 kg)
High Voltage Output Module:	2.9 lbs. (1.32 kg)

Temperature Range: 32° F to 104° F (0° C to 40° C).

Output Range: 0-100% of rated output,

D: 0 - 10VDC or 4-20mA only.

V: 0 - 90VDC

P: 2 - 75 PSI

Taper Tension Range: 0-100%

ORDERING INFORMATION

You may order by description, or by matching the labeled digits with your choices.

Example: EWP-U-E-AC-45-LDC

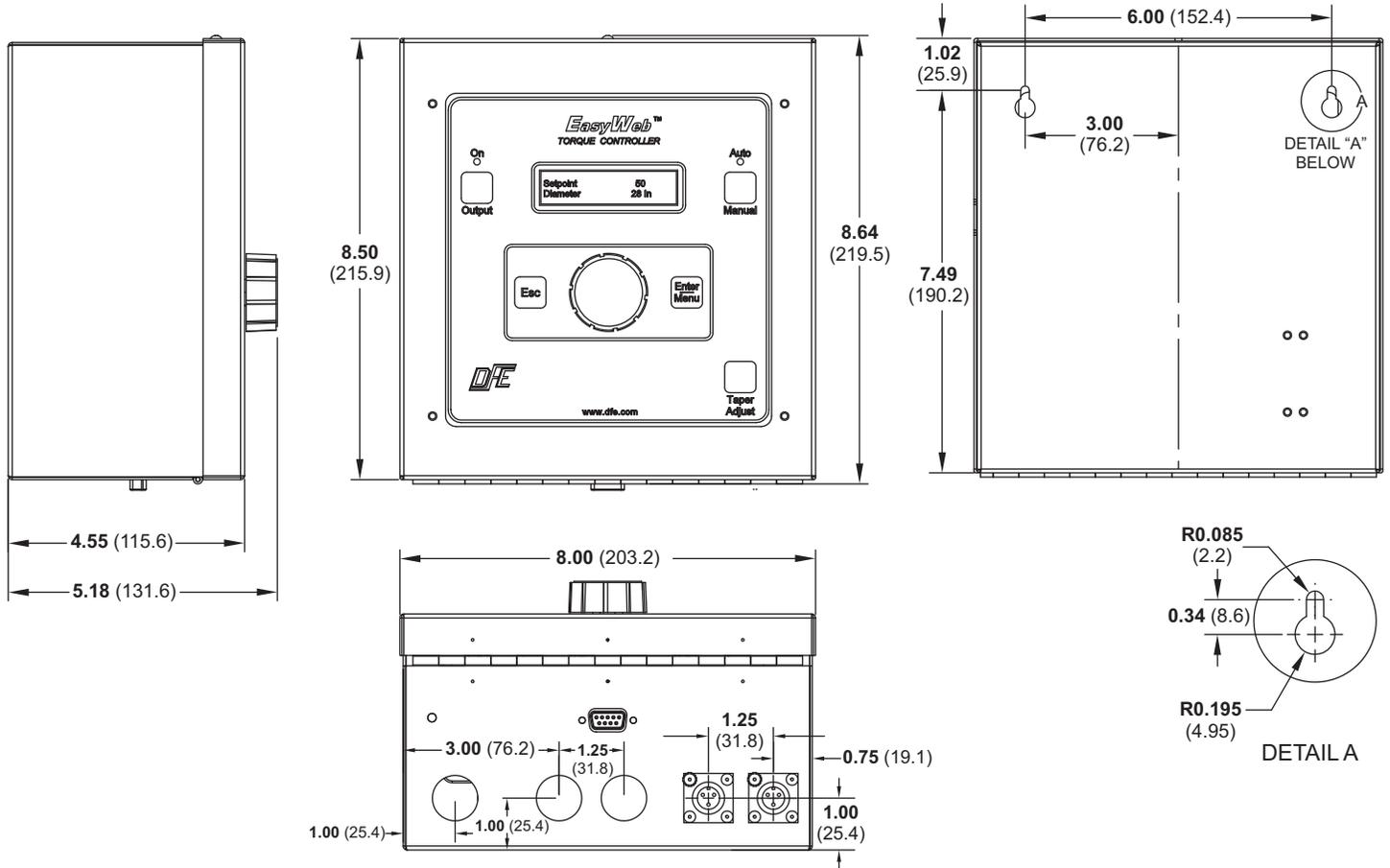
EWX - **X** - **X** - **XX** - **OPTIONS** (Separated by commas)

OUTPUT	ZONE	PACKAGING	POWER	OPTIONS
P = Pneumatic V = Electric D = Drive	U = Unwind R = Rewind	E = Enclosure O = Open (panel mount)	AC = 100-240V, 50/60Hz 24 = 24 VDC	230 = 230 Volt Power Input (1) 24 = 24 Vdc Output (2) 420 = 4-20mA Output (4) 45 = 45 Vdc Output (2) DRC = Din Rail Clip (5) LDC = Line Speed by DC Tach MPF = Metric Pneumatic Fittings (3) RDC = Roll Speed by DC Tach Z = SPR

Notes: 1. V version only. 230 refers to power input of V module. 2. V version only. 24 and 45 refer to the output voltage of V module.
3. P version only. Used for all air connections. 4. 420 replaces the standard 0-10Vdc output. 5. VOUT enclosure only.

DIMENSIONS OF ENCLOSURE VERSION

inches (mm)



DIMENSIONS OF OPEN VERSION

inches (mm)

