

## 1100D300 Series Digital Motor Controller



The Young & Franklin 1100D300 Series Digital Motor Controller (DMC) accepts a position or triple redundant velocity commands to run YF's full suite of Electromechanically Actuated (EMA) products. With a peak rating of 3.5 kW, the 1100D300 DMC provides ample power while being precise enough to ensure accurate positioning. The dynamic response of the 1100D300 DMC can be uniquely tailored to fit customer needs, allowing for a drop in replacement of existing systems. The 1100D300 is certified to EN61800, guaranteeing excellent noise immunity, and incorporates a flexible control scheme including Enable, Reset and Trip functions. No user programming is required due to factory software configuration.

### 1100D300 Series DMC Specifications:

<b>Ingress Protection</b>	IP65, NEMA Indoor/Outdoor Enclosure
<b>Line Power Input</b>	90-140VDC (30Amps max)
<b>Peak Output Power</b>	3.5 kW
<b>Operating Temperature Range</b>	-4°F to +140°F (-20°C to +60°C)
<b>Maximum Cable Length</b>	250 ft (75 m)
<b>Command Input</b>	4-20 mA Position, -8 to +8 mA Triple Redundant Velocity
<b>Diagnostic Ports</b>	User Diagnostics via RS-485 and USB Ports
<b>Motor Protection</b>	Optically Coupled Thermostat
<b>Mean Time Between Service</b>	Maintenance-Free
<b>Mean Time Before Failure</b>	20 Years
<b>Environmental</b>	MIL-STD-810 - Shock, Vibration and Humidity
<b>Certifications</b>	Ex II 3 G, Ex nA IIC T4 Gc IP65 Cls I Div 2 Grp A, B, C, and D T4 Type 4