

i-Drive *Servo Drive* *Amplifier*

NEW!





► **i-Drive Series:** **Servo Drive with Integrated Positioning Control**

The i-Drive is an intelligent, small, and powerful solution for multiple applications.

The i-Drive is suitable for brushless, synchronous motors including rotary and linear. i-Drive Supports resolver, sine / cosine, or quadrature encoders.

i-Drive is the most cost-effective solution for high-performance applications it is ideal for applications with small space requirements. The i-Drive can be used as a point-to-point controller for single axis positioning, based on a state-of-the-art DSP technology. With the i-Drive you will achieve superb dynamic performance in a compact and robust unit.

The i-Drive consists of integrated micro electronics protected from harsh thermal environment. It can be delivered with either a "cool plate" or compact fan unit.

The i-Drive supports wide range of motor power (0.5 to 1.5 kW) and 115 single phase or 208 / 230 Vac single phase / three phase.

The i-Drive integrates all functions for fieldbus servo drive with position control.

BAYSIDE
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PRECISION IN MOTION

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i-Drive

- Positioning via RS485 or digital input
- 20 programmable indexes positions
- Time or event triggered
- Relative or absolute positioning
- Scalable control for positioning, velocity, and torque
- Power range 0.5 - 1.5 kW
- Supply voltage 115 1 Ø, 208 / 230 (1 Ø or 3 Ø)
- Feedback Resolver (TTL or sine-wave) encoder
- Automatic shaft-position detection
- Positioning via digital input or analog input
- 5 digital inputs, 1 relay output
- 1 analog input, 1 analog output

1 **User friendly Front Panel/LCD display**

six function / programmable push buttons for entering all parameters and set points

2 **Patented "Chip-on-Chip"**

hybrid assembly allows for a higher power rating in a smaller package.

3 **Optional "Cooling Module"**

for harsh thermal environments or top line duty cycle operation

4 **PC based,** easy to use software for programming and operation simulation software for off line programming

