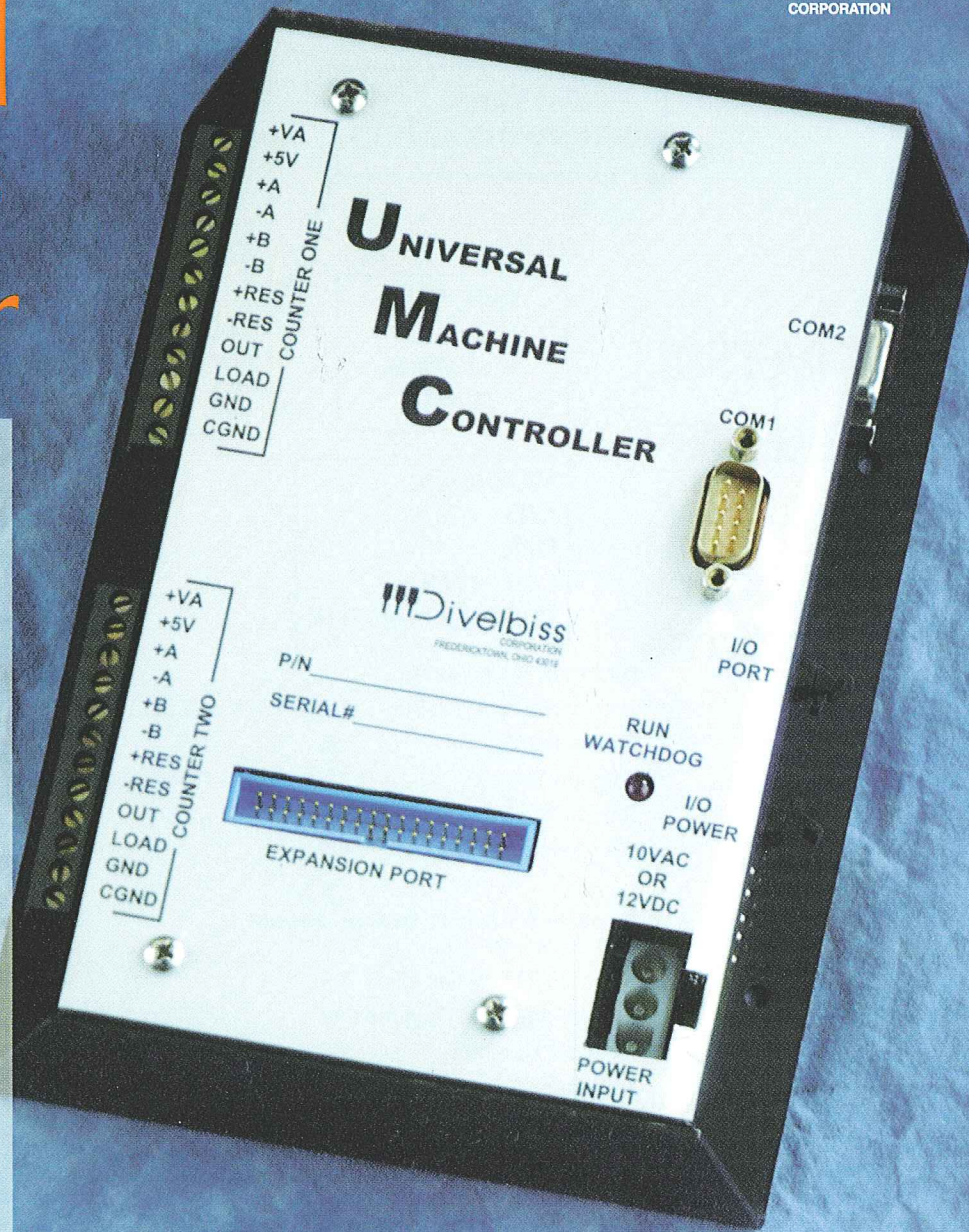


POWERFUL. COST-EFFECTIVE. MORE CONTROLLER FOR LESS MONEY.



Universal Machine Controller

- PROGRAMMING AVAILABLE IN ISAGRAF® IEC 1131-3 (LADDER DIAGRAM, SEQUENTIAL FUNCTION CHART, FUNCTION BLOCK DIAGRAM, STRUCTURED TEXT OR INSTRUCTION LIST)
- FLOWCHARTING
- MULTITASKING BASIC, OR C LANGUAGE
- MULTIPLE NETWORKING THROUGH BEAR DIRECT, MODBUS, PROFIBUS (SLAVE) OR DEVICENET (SLAVE)
- LARGE PROGRAM MEMORY STORAGE AREA OF 256K FLASH (768K OPTIONAL)
- BATTERY BACKED-UP RAM
- BUILT-IN PID AND FUZZY LOGIC FUNCTIONS
- REAL-TIME CLOCK/CALENDAR
- ACCOMMODATES DIVEBISS STANDARD ANALOG I/O MODULES
- TOTAL DIGITAL I/O OF 512 (256 IN AND 256 OUT)
- ACCOMMODATES TWO HIGH SPEED QUADRATURE COUNTERS ONBOARD, PLUS COUNTER MODULES.
- ONE SERIAL PORT
-SECOND SERIAL PORT OPTIONAL
- POWER: 10VAC, 115VAC OR 12VDC
- UPWARD COMPATIBILITY. THE SAME SOFTWARE (IEC 1131-3) WILL RUN ON UMC, THE BOSS 32™ AND NT/PC CONTROLLER PACKAGE.
- UPGRADABLE TO A BOSS 32™ OR TO AN NT-BASED CONTROLLER WITHOUT ALTERING I/O HARDWARE.
- DIVEBISS STANDARD I/O CARDS ARE COMPATIBLE WITH NT/PC PACKAGE.

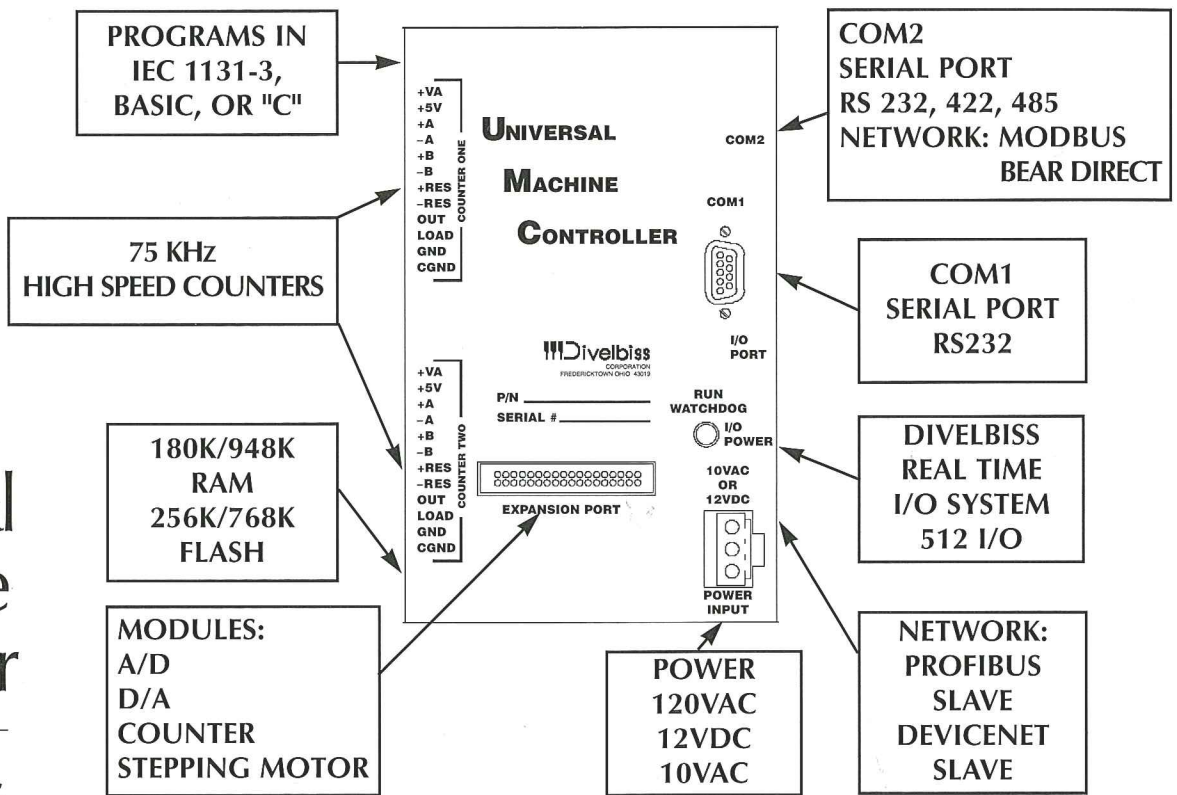


If you are responsible for specification, design, testing, installation, troubleshooting or maintenance of industrial controls, the Universal Machine Controller will benefit you, bigtime.

You get more of everything (except size) with this powerful, cost-effective machine controller. It's a low-cost, compact unit that stands only 7.2" X 5.5" X 2" and can be used as a stand-alone controller or a distributed I/O controller.

Universal Machine Controller

specifications

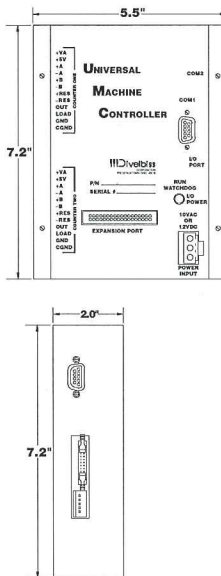


SYSTEM CAPACITY:

Total Memory Available	180K (948K optional)
Battery Backup	Yes
Program Storage	256K FLASH (768K optional)
Total I/O	512 (256in/256out)
I/O Module Point Density	8/16

PROGRAMMING & DIAGNOSTICS IEC 1131-3:

- Sequential Function Chart Yes
- Function Block Diagram Yes
- Ladder Diagram Yes
- Structured Text Yes
- Instruction List Yes
- Boolean Variables 4095
- Analog Variables 4095
- Timers 4095
- Message Variables 4095
- Flowcharting** Yes
- Multitasking Basic** Yes
- C Language** Yes
- Integer Math Yes
- Floating-point Math Yes
- PID Yes
- Fuzzy Logic Yes
- Real-time Clock/Calendar Yes
- Programmer PC (Windows 95 or NT)
- Diagnostics CPU Watchdog (LED)
Personal Computer



COMMUNICATIONS:

Built-in ports	1-RS232, RS422, RS485 additional, optional)
MODBUS Master/Slave	Yes
ASCII	Yes
Bear Direct Network	Yes
Max. Baud Rate	57.6KBaud
Network Modules	Optional: Profibus DP Slave or DeviceNet Slave

75KHZ HIGH-SPEED COUNTER:

Dual Channel High Speed Counter (onboard)
Quadrature Input - High Speed Output

SPECIALTY MODULES:

Analog Input	12 bit, 8/16 channels
Analog Output	10 bit, 4 channels
100K High-Speed Counter	24 bit, 4 channels
Stepping Motor	3 channels

STYLE: Panel Mounted Module

CPU: Zilog Z 382 @ 14.7456MHz

SUPPLY VOLTAGE: 10VAC, 120VAC or 12VDC
(120VAC with transformer)

UNIT SIZE: 7.2" X 5.5" X 2"

OPERATING RANGE: 0° to 60°C (32° to 140°F)



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