Introducing
the new drive.web
smarty

The world's most powerful programmable controller for coordinated drives

The new *smarty* brings greatly enhanced performance, smaller packaging and even better value to the remarkable family of *drive.web smarty* and *speedy* products.

- Easy interface to most drives
- Use networked or stand alone
- Internet accessible
- Peer to peer deterministic Ethernet networking
    - 100baseTX or 10baseT Ethernet
    - Full duplex supported
    - Auto-negotiation
    - Auto-MDIX per IEEE802.3ab
    - Optional Power over Ethernet (PoE, IEEE 802.3af)
- *drive.web* distributed control
- Cost effective for systems of any size or complexity
- Intuitive, graphical function block programming tools
- Complete graphical configuration & documentation data stored in devices
- Basic i/o includes:
    - 8 terminals, configurable as either:
        - 16 bit analog inputs, +/-10 volts
        - 16 bit analog outputs, +/- 10 volts
        - or, digital inputs, 24 volts
    - 8 terminals, configurable as either:
        - 16 bit analog inputs, 0 to 10 volts
        - digital inputs, 24 volts
        - or, digital outputs, +24 volts, source or sink
- Optional i/o includes:
    - Encoder input without marker
    - 1 or 2 encoder inputs with marker and retransmit via external module
    - 1 or 2 isolated or unisolated RS485 ports
    - High voltage digital i/o isolator
    - CAN bus and others coming soon
    - USB programming port coming soon
- Firmware field upgradable
- 100% backward compatible with all existing *drive.web* installations
- Compact, stylish DIN rail mounting package

Approximate actual size shown
(4.1" high, 4.8" deep, 0.9" wide)
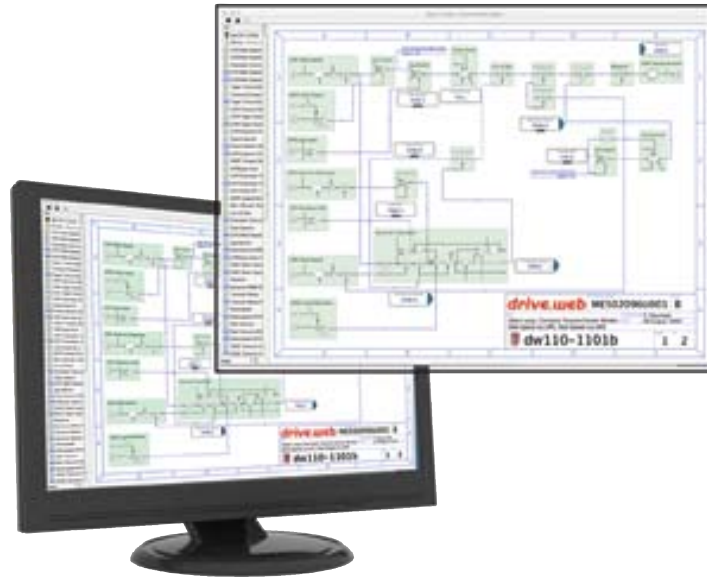
Easy, Reliable Solutions
- Coordinated line drives
- Winders
- Position control
- Electronic line shaft
- Spindle orientation
- Remote system access
- Drive system integration
- Distributed i/o

Beats using any PLC on price performance and ease of programming!

Basic smarty
Model dw210

the new smarty

The *savvy* graphical system design tools can be downloaded free from www.driveweb.com

The signal flow diagram option shown provides a clear, easy to navigate presentation of all the connections in a system

MODEL SELECTION

dw210   *smarty* distributed *drive.web* process controller complete with Ethernet and:
Basic function block library with arithmetic, logic, clamps, switches, PI, and utilities
8 configurable i/o: 16 bit analog in, +/-10V or 16 bit analog out, +/-10V or digital in 24V
8 configurable i/o: 16 bit analog in, 0-10V or digital in 24V or digital out +24V source or sink

dw210 OPTIONS (please call for availability)
-04	Modbus TCP/IP slave
-05	Advanced Process Control Function Block Library
-06	Winder Control Function Block Library
-10	Math Function Block Library
-14	Power over Ethernet
-15	Internal encoder input (differential A & B without marker)
-16	External encoder module (dw230) interface port
-17	ModbusRTU slave (RS485) isolated port
-18	ModbusRTU slave (RS485) isolated port + external encoder module (dw230) interface port
-19	ModbusRTU slave (RS485) isolated port + ModbusRTU (RS485) master unisolated
-20	ModbusRTU master (RS485) unisolated port
-21	ModbusRTU master (RS485) isolated port
-22	ModbusRTU master (RS485) unisolated port + external encoder module (dw230) interface port
-23	ModbusRTU master (RS485) isolated port + external encoder module (dw230) interface port
-24	High voltage digital i/o isolator (each with 2, NO contacts + common and 4, 120VAC inputs +common), up to 2 per smarty

smarty model dw210
with external encoder
module model dw230

dw230   *smarty* external encoder module (needs a *smarty* dw210 option -16, -18, -22 or -23)

dw230 OPTIONS (please call for availability)
-00	Encoder 1, 5 volts with marker and one 24V event input
-01	Encoder 1, 24 volts with marker and one 24V event input
-02	Encoder 2, 5 volts with marker and one 24V event input
-03	Encoder 2, 24 volts with marker and one 24V event input
-04	Encoder retransmit outputs A+, A-, B+, B- (RS422)

smarty specials - pre-configured, engineered solutions
dw210-1101 Generic open loop constant tension center winder
dw210-1102 Generic closed loop dancer controlled winder
dw210-1103 Generic closed loop loadcell controlled winder
dw210-1104 Generic slip core winder controller
dw210-1105 Generic electronic line shaft
dw210-1106 Generic coordinated drive, line master controller

drive.web
inspired ideas
innovative solutions

drive.web control technologies

www.driveweb.com
40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone + 410-604-3400   Toll Free USA 1-888-667-7333 (1-888-ON SPEED)