

Digital Valve Drivers

EVC Digital Controller

- Basic dual or single coil proportional valve control as well as more complex applications that involve Anti-Stall or Horsepower Optimization.



EVC-2 Pre-Packaged Controller

- Pre-configured to quickly integrate and operate two separate dual coil proportional valves for steering, moving, and loading applications.



HGC-2 Generator Controller

- Widely used from wire line trucks to Gen Sets. Monitor and maintain a constant AC line frequency by varying the pump or motor speed using proportional valve control.



Industrial Digital Valve Drivers

Pro Valve and DR DIN-Rail Mount Controllers

- Select between open-loop or closed-loop proportional controllers. Pre-programmed with multiple modes of operation utilizing single or dual coil configurations for typical industrial and automation applications.



MVP DIN Plug Mount Controllers

- Choose between open-loop, closed-loop Soft Shift, or Power Saver plug top proportional drivers.



Displays / HMI's

Full Color and Character Displays

- Complete your application with the addition of a rugged monochrome, full color, or full color with touch display.



Sun Integrated Solutions

HCT and Sun Integrated Solutions

- Reduce potential connection errors and electrical losses, decrease installation time, and minimize external wiring by integrating HCT controllers with Sun's manifolds and cartridges.
- Hydraulic fan drives
- Hydraulic generators
- Hydraulic transmission



Bluetooth Embedded Amplifier

Sun's New Bluetooth Embedded Amplifier

- The industry's first commercially available Bluetooth-configurable product, providing a compact factory-integrated coil and connector combination. Ideal for multi-valve systems and hard-to-reach or dangerous environments, the AmpSet Blue app can pair from as far as 30 feet. In addition, the amplifier is CE approved to the latest standards and meets the automotive 30 V/m specification.



Our Website:

High Country Tek, Inc., sells through a network of authorized Distributors located all around the world. Visit DISTRIBUTION on our website at www.hctcontrols.com/distributors/index.htm to find contact information for the Distributor who can best serve you. For price and delivery quotations, please contact your Distributor. For more product and company information please visit our main website at www.hctcontrols.com.

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High Country Tek, Inc.
A Sun Hydraulics Company

ONE RELIABLE SOURCE
ENDLESS SOLUTIONS



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DVC707
DVC710
DVC725
DVC745

DVC700 Series
Programmable Controllers

FOR THE MOBILE, CONSTRUCTION
AND MINING INDUSTRIES

Electronic Control Solutions for the Global Fluid Power Industry

BUILT TO SURVIVE

IMPROVEMENT AREAS:

PEER TO PEER COMMUNICATION

DIRECT CAN bus CONTROL

VALUE ENGINEERING

RE-DESIGNED FOR GREATER DURABILITY



TOTAL SYSTEM CONTROL

Programmed with HCT's Intella Software Suite™

Entire system management can be achieved with the DVC700 Series controllers using CAN bus communication. Utilize the DVC710 or DVC707 as stand-alone programmable controllers or as master controllers when used with added I/O expansion modules. The 700 series provides diagnostic, monitoring and custom capabilities for large or small projects.



PEER-TO-PEER COMMUNICATION

Programmed with HCT's Intella Software Suite™

Choosing a programmable controller that offers the correct number of PWM and solenoid operated discrete ON / OFF valves without buying more capabilities than needed can be difficult. The DVC710 and DVC707 controllers were designed with industry standard I/O requirements. When a single DVC710 cannot meet the I/O demands, peer-to-peer or master-to-master communication now enables an affordable option of adding configurable inputs and outputs. The added communication capabilities between controllers means fewer expansion module variants and therefore fewer products in inventory and less system cost overall.



DIRECT CAN bus CONTROL

Configured with HCT's Free Program Loader Monitor

The two newest DVC expansion modules are usable with the DVC700 master controller or any programmable J1939 Electronic Control Module (ECM). Using SAE J1939 communication the DVC725 and DVC745 can be easily integrated into systems without requiring an HCT master controller. Safety, emergency, limit, position and sensor switches, lights, alarms and ON / OFF valves can now be interfaced directly to the DVC725 and DVC745 via CAN bus.

J1939 CAN capable programming devices like HCT's rugged displays can view, monitor, log, and control system I/O through the vehicle CAN bus.



RUGGED DISPLAYS

- Rugged and daylight visible
- CAN capable (J1939 & CANopen)
- Monochrome and full color
- Touch screen and video options

VARIABLE SPEED HYDRAULIC FAN CONTROL

- Reduce noise
- Reduce fuel consumption
- Increase usable horsepower
- Maintain critical engine temperature

TUB GRINDER FUNCTIONS

- Throttle control
- Tub speed and direction
- Anti-stall with auto-reverse

CONVEYOR FUNCTIONS

- Speed and direction
- Elevation control
- Jog functions

TRACK FUNCTIONS

- High speed / low speed
- Creep mode
- Counter rotate
- Forward / reverse

SYSTEM INPUTS

- Alarms
- Emergency Stop
- Oil Level
- Engine RPM
- Speed Sensors
- Position Switches
- Ignition
- Clutch Filter Level
- Joysticks
- Transducers
- CAN sensors



REMOTE CONTROL

- Total system control through wireless remote controls
- Operate machines from a safe distance



DVC700 SERIES CONTROLLERS

High Country Tek, Inc. is well-known in the hydraulic industry for the DVC700 series product line as the most durable and reliable electro-hydraulic control solution. Most widely used in the mining and construction industries, the DVC700 controllers are intelligently designed to be both configurable and programmable so as to maintain simplicity where needed without sacrificing the more complex feature capabilities.

KEY FEATURES

- Industry standard configurable inputs and outputs suitable for most application demands
- Designed for heavy duty machinery and extreme conditions
- Current regulated proportional outputs
- Speed and directional control of cylinders, motors, and hydrostatic drives (up/dwn, left/right, tilt/yaw, fwd/rev)
- Input & output function curves for non-linear joystick control
- Configurable I/O settings for simple program setup

ADVANCED DESIGN CAPABILITIES

- Achieve maximum work functions and maintain critical engine RPM with selectable intelligent operational profiles
- Create intelligent and selectable hydraulic attachment profiles for different applications
- Display system information and diagnostics with full color rugged and daylight visible displays
- Button selectable high and low vehicle travel speed for varying terrain and application demands
- Control hydrostatic drives for increased vehicle performance
- Two wheel and four wheel steering with rear steering, crab and counter rotate modes
- Design high performance systems with maximum efficiency

Mobile

- Excavators
- Fork Lifts
- Rock Crushers
- Tire Handlers
- Skid Steers
- Scissor Lifts

Mining and Exploration

- Diggers
- Mine Trucks
- Boring Machines
- Scooptrams
- Drilling Machines
- Winches

Agriculture

- Planters
- Harvesters
- Sprayers
- Tree Shakers
- Soil Cultivators
- Front Loaders

Construction

- Pavers
- Demolition Attachments
- Telehandlers
- Compact Front Loaders
- Motor Graders
- Rollers

Forestry

- Delimbers
- Harvesters
- Feller Bunchers
- Skidders
- Forwarders
- Grapplers