

Industrial Shortform

Custom Designs
Joystick Controllers
Interface Modules
Switches

Linear Sensors
Rotary Sensors
Level Sensors
Pressure Sensors

Tilt Sensors
Panel Meters
Motor Controllers
A/V Controllers

Optical Encoders
Magnetic Encoders
Accelerometers
Accelerator Pedals



Signalising Lights
Circuit Breakers
Terminal Blocks
Light Curtains

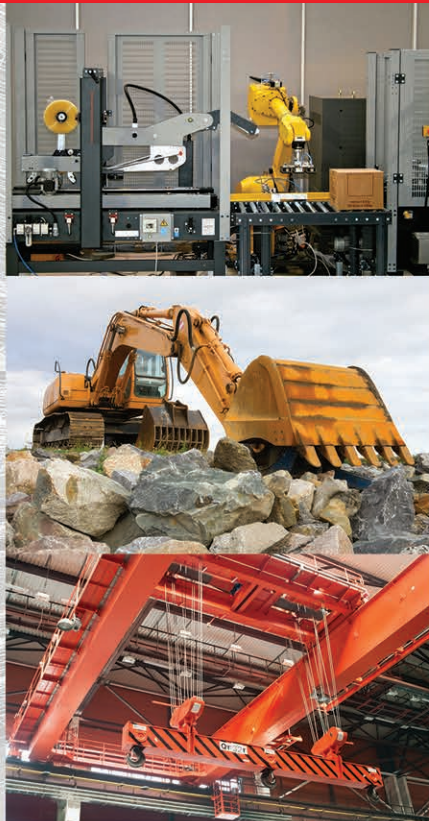
PLCs
Contactors
Safety Controllers
Power Supplies

Relays
Timers
Inclinometers
USB Controllers

LED Machine Lighting
O/I Touchscreens
Emergency Stops
Grip Handles

Excellence in Engineering

www.controldevices.co.nz



Control Devices was founded in 1997 with a purpose to provide the best possible engineering advice, technical support and product solutions with a view to improve our customer operational performance

The key objective of Control Devices Engineering is to provide a quality product with a cost effective service. To achieve this goal we actively engage our clients in decisions relating to our production processes.

Control Devices Australia has committed to the requirements of an ISO 9001:2015 Quality Assurance System in order to provide customer confidence and as an assurance to ourselves that our service is meeting customer's expectations. We will continually review our Quality Objectives and communication techniques to ensure continual improvement of our systems.

The Control Devices range of advanced solutions for measurement and control, including high-volume customised joysticks for OEM applications, are designed to fit the specific applications and needs of an ever-growing market.

We are distinguished from other engineering supply companies by:

- Our broad and deep inventory of quality products
- Our diversification across industry sectors, countries and markets
- Our customer focus
- Our commitment to engineering excellence and innovation

Product and Capabilities

Joysticks

Control Devices has specialised in the joystick control market for more than 15 years, and by employing this experience we have developed products that respond to the market's needs. Using mechanical assemblies from our partners and electronics from our innovative engineering team we now deliver our own products to the market.

CDJSWJ: Switched Fingertip Joystick



- Ideal for panel mounts for 'High Current' applications.
- Single or Dual axis
- Latching or Spring return-to-centre options available
- Standard 22mm mounting hole
- Contact Rating AC AC 230V @6A
- Dual contacts available on single axis
- Easy to install

CDJ420: 4-20mA output



- Single or Dual axis
- Can be supplied with a wide voltage from 8-30 Vdc
- Industry standard output 4-20mA
- Optional outputs available (0-20mA)
- Alternate output configurations available (0-20mA, 4-20mA all directions and more)
- Optional dual output redundancy

CDJUSB: USB Joystick



- Single or Dual axis
- USB 2.0 connection
- Functions as a USB HID
- Separate power supply available

CDJ900: Switched output, with field replaceable switch assemblies



- Single or Dual axis
- Contacts activate at approx. 5° from centre
- Up to two contacts per axis can be activated
- Field replaceable switches
- IP67 rating for microswitches
- Large Handle options available

CDJCAN: CANopen output



- Single or Dual axis
- Potentiometer Joystick with CANopen output
- Long life sensing element

CDJ6000: Custom Voltage output



- Single or Dual axis
- Long life potentiometer track
- Output Voltage isolated from supply
- Configurations such as 0-5V, +/- 5Vdc, 0-10Vdc, +/- 10Vdc, other customised outputs available to customer specific requirements

CDJPWM: PWM output



- Available up to three axis XYZ
- Can drive six proportional valves
- User configurable outputs
- Dither frequency configurable from 15 Hz to 1 kHz

Products and Capabilities

Custom Design and Manufacturing

Control Devices can provide solutions to meet your man-machine interface needs. We can provide solutions to meet existing requirements by replacing an existing controller that is no longer available or economically viable, or a new concept from Design to Finish. Our solution will be fit for purpose and designed to be swap out/swap in. We have undertaken projects for defence, industrial, off-shore, marine, forestry and logging industries to name a few.

- 3D Cad Modelling: Simulate assembly and provide our customer with an accurate drawing of the final product. Approval before production.
- 3D Rapid Prototyping: We can provide our customers with one-off custom grips or enclosures or use our 3D plastic printer to create real models prior to mass manufacturing.
- Electronic and PCB: We can design and manufacture with customised electronics. We can provide custom CAN protocols, RS485, USB and various analogue outputs.
- CNC Machining: We can do custom fittings, engraving or face plate arrangement. This is done through our Machining workshop.



Partnered Product Range



APEM, an IDEC company develops and manufactures professional switch products for diversified markets including instrumentation, medical, communications, industrial automation, defence and transport. The extensive range of more than 30,000 line items is supported by a strong focus on design-in options with customized features to meet specific customer requirements.

Panel Switches

- Toggle switches (Including high performance for industrial & military applications. High current options also available)
- Pushbutton Switches (Includes 12 & 16mm engraved and illuminated versions, different shaped bezels, large range of colours, standard electrical functions, AV/Security stainless steel versions available in 16mm, 19mm, 22mm and 30mm panel-cut)
- Sensory Switches (Piezo & Capacitive technologies)
- Rocker Switches (Industry standard laser printed icons available as well as custom options)
- Emergency Stops
- Industrial Controls
- DIP & coded rotary switches
- Micro Switches
- Sealing boots (For toggles and pushbuttons)
- Security caps for toggles to implement safety feature in high performance & military application
- Accessories

Q series LED Indicators

- 6, 8, 12, 14, 16, 19 and 22 mm dia. LED indicators
- 8 mm dia. NVG Compatible LED indicators (Bi & Tri-coloured options available)

PCB Switches

- Slide Switches
- Tiny Switches
- PCB compliant
- DIP Switches
- Coded rotary switches
- Tact switches
- High Performance Tactile Switches
- Accessories for High Performance Tactile Switches

Joysticks (CH Products)

APEM an IDEC company is a manufacturer of Industrial joysticks and Hall-effect control devices including fingertip joysticks, industrial trackballs and handgrip controllers. Joysticks from CH Products are used around the globe in many applications including: camera controls, medical instrumentation, agricultural vehicles, mining machinery, military robots, industrial automation, electric wheelchairs, material handling equipment, military simulation and consumer entertainment.

- Thumbsticks & Thumbwheels (Including proportional & switched features)
- Finger Operated Joysticks
- Hand Grip Joysticks
- Throttle - Single Axis Joysticks
- Plug and Play - USB
- Fixed Grip



CURTISS-WRIGHT



The Curtiss-Wright Industrial Group is comprised of Penny & Giles Controls and PG Drives Technology. The CW product range contains a broad selection of Joysticks, Sensors and Motor Controllers for use on commercial vehicles and industrial equipment.

Joystick & Hand Controllers

Joysticks are available with many handle options and button configurations. All of the joysticks offered have both directional and proportional signals incorporated into their design, making them safe in operation and versatile.

- Potentiometer Joysticks
- Hall-effect Joysticks
- Fingertip Joysticks
- Thumb Joysticks
- Hand-operated joysticks

Sensors

A wide range of sensors that offer distinct advantages in reliability, stability and compactness. CW use technologies that include potentiometric, inductive, and Hall-effect, packaged in rugged housings, with mountings that give the user a wide range of flexible installation options.

- Linear and Rotary Position Sensors
- Tilt Sensors
- Linear Displacement Transducers
- Linear Potentiometers



Motor Controllers

The world's leading manufacturer of controllers for industrial electric vehicle controllers, for applications such as floor care machines, materials handling trucks, golf carts, utility vehicles and aerial work platforms.

DITEL



DITEL has the widest range of Digital Panel meters for the monitoring and control of industrial processes. They also produce a range of Large Displays that offer a high number of possibilities in terms of visualisation and communication: several heights of digits allowing long viewing distances, most common communication protocols available, adaptability to many kind of environmental conditions, numeric and alphanumeric contents

- KOSMOS series: Digital Meters
- SYROS series: Temperature Regulators
- CRISTAL series: LCD Counters
- DINOS series: Large Displays
- Large Environmental Displays
- Large Alphanumeric Displays

GILL



Gill Sensors and Controls is the designer and manufacturer of precision sensors and gas engine controls. Gill Sensors & Controls ensures that every sensor is factory calibrated with temperature compensation to provide reliable market leading accuracy of liquid level measurement.

- Liquid Level Sensors
- Waste Liquid Level Sensors
- Lightweight Liquid Level Sensors
- Oil Condition Sensor
- Dual Output Position Sensor
- Rotary Position Sensor
- Industrial Gas Engine
- Ultrasonic Flow Sensors
- Speed
- Bulk Material Level

POSITEK LIMITED



Positek is a leading displacement transducer manufacturer and world-wide supplier of linear, rotary, tilt and intrinsically safe position sensors; the non-contact alternative to potentiometers. For applications in Aerospace and Motorsports to the Medical sector.

- Linear and Rotary Position Sensors
- Tilt Angle Sensors
- Intrinsically Safe Sensors and Isolation Amplifiers
- Submersible and Waterproof Sensors
- Custom Position Sensors

seika



Seika develops, manufactures and distributes sensors for measurement of physical quantities and electronic and mechanical accessories for sensors. Inclinometers for nearly all existing tilt measurements and a series of robust accelerometers with integrated electronics are SEIKA's standard products. Seika also manufactures a number of custom specific sensors.

- Static and Dynamic Accelerometers
- Inclinometers
- Sensor Boxes for harsh operation conditions
- Sensor Accessories
- Special Sensors and Electronics - Level and Humidity for special applications
- Custom Sensors

IDEC

IDEC products are essential for modern automation and is known for "High Quality" throughout the world. IDEC switches, terminal blocks, relays and controllers play a vital role on factory assembly lines in a wide range of industries, which provide both quality and efficiency in factory automation. IDEC has actively developed Green Technology, a technology that forms the basis of environmentally-friendly products to save the usage of energy and natural resources. IDEC's advanced technologies help us design products that enhance the environment. (Distributed to NZ Market only)



Switching & Controls

- Switches & Pilot devices
- Signalising Lights
- Relays (Interface, slim, compact, universal, miniature, force-guided,
- Timers
- Contactors
- Terminal Blocks
- Circuit Breakers

Automation & Sensing

- PLCs
- Operation Interfaces
- Automation Software
- Power Supplies
- Sensors
- Communications & Networking
- Barriers
- O/I Touchscreens

LED Machine Lighting

- General Machine Lighting
- Heavy Duty Machine Tool Lighting
- Refrigeration & Freezer Lighting
- Flat Panel Inspection Lighting
- Hazardous Location Lighting

Safety

- Emergency Stops
- Door Interlock Switches
- Enabling Switches
- Safety Controllers
- Light Curtains
- AS-i Safety at Work



EFE has been designing and manufacturing premium Pressure Sensors since 1973 in France. They are high performance pressure sensors for harsh operating environments in aerospace, marine, military, automotive, oil and gas, research sectors and numerous industrial applications.

- High Precision Pressure Transducers
- Miniature Pressure Transducers
- Load Cells with integrated electronics
- Force and Pressure transducers with integrated CANoutput

MAKERSAN



Makersan Control Technologies develop and produce highly innovative pedals with contactless sensors to meet the demands of the automotive, commercial vehicles, industrial and agricultural markets.

- Contactless Electronic Accelerator Pedals



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