

Dust Collector Controllers



From Very Simple to Very Complex NCC has the Controller to Meet Your Needs



Intermittent Use Collector Controller

- ▶ Simple 4 wire installation
- ▶ Replaces electromechanical timers
- ▶ Solid state timing and switching logic
- ▶ LED function lights on PC board
- ▶ Function indicating lights on T2101-020
- ▶ Mounts in standard NEMA 4 / JIC enclosures



AC & DC Input, Pulse Cleaning of Bag House Dust Collector Controller

- ▶ Digital timing circuitry allows for stable timing from -40°C to 65°C temperature range
- ▶ 2 modes of operation can be operated Continuously or On Demand via external pressure switch
- ▶ Field selectable for numbers of outputs required
- ▶ LED indicators for compartment being cleaned indication
- ▶ Metal chassis provided for mounting directly into NEMA 4 box
- ▶ Pressure switch control option on board



DUSTRONIX® Core-10/Expander-10 Controller

- ▶ Universal input voltage 100-240 VAC, 50/60 Hz
- ▶ 10 outputs on-board, expands to 990 outputs (with expansion boards)
- ▶ Diagnostic/program LEDs for at-a-glance system status indication
- ▶ Settable to read 0-10, 0-15, and 0-25 inches of differential pressure
- ▶ Simple one knob programming
- ▶ 3 digit, 7 segment alpha-numeric display
- ▶ Available in factory assembled enclosures or kits

EX,
our Needs...



Intelligent, AC-Input, Pulse Cleaning of Bag House Dust Collector Controller

- ▶ On-board differential pressure sensor
- ▶ 8 character alpha-numeric display
- ▶ Microprocessor based control for stable timing from -40°C to 65°C
- ▶ Enhanced timer option: monitor additional devices; record dust collector data; network timers together remote network monitor; remote network control
- ▶ RS232 port for remote monitor and control
- ▶ Metal chassis provided for mounting directly into NEMA 4 box
- ▶ Available in factory assembled enclosures or kits



Intelligent Dust Collector Controller Remote Input/Output Module

- ▶ Enhances T2310 and T2320 controller operation
- ▶ Communicates via RS232 port to intelligent controller
- ▶ Communicates via 2 wire network to remote sites
- ▶ Large storage capacity for historical trending of system data
- ▶ Aids in system diagnostics
- ▶ Increases overall system efficiency
- ▶ Metal chassis provided for mounting directly into NEMA 4 box



Intelligent Dust Collector Controller Remote Annunciator Panel

- ▶ Remotely monitors up to 255 enhanced controllers
- ▶ History report generation for 1 year of system data
- ▶ Alarm report generation for over 200 alarm events
- ▶ 12 tri-color LEDs for at-a-glance system status annunciation
- ▶ 2 line x 8 character alpha-numeric display
- ▶ Aids in system diagnostics
- ▶ Increases overall system efficiency



Pressure Differential Meter

- ▶ 51 element tri-color LED meter movement
- ▶ 0-10" w.c. ΔP range
- ▶ NEMA 4 compatible
- ▶ 3 digit, 7 segment alpha-numeric display
- ▶ Replaces most popular ΔP switches/gauges
- ▶ Universal input voltage



AMETEK NCC Dust Collector Controllers offer proven reliability to control solenoid valves for pulse or shaker-damper cleaning of dust collectors. The controller's universal operation also allows for easy integration into a variety of applications calling for intermittent valve or sequential control.

AMETEK NCC offers effective factory support. Our parts inventory and product availability is unsurpassed. With over 250 stocking distributor outlets, serious downtime problems can virtually be eliminated.

Common Applications:

- | | |
|-------------------------------|-----------------------|
| ▶ Process Control | ▶ Test Cycling |
| ▶ Stepping Switch Programming | ▶ Food Processing |
| ▶ Solenoid Valve Sequencing | ▶ Water Purification |
| ▶ Vacuum Processing | ▶ Copying Machines |
| ▶ Bottle Filling | ▶ Alarm Circuits |
| ▶ Plastic Molding | ▶ Pulse Totalizing |
| ▶ Vending Machines | ▶ Heat Sealing |
| ▶ Printing Presses | ▶ Photo Processing |
| ▶ Laundry Equipment | ▶ Car Washing |
| ▶ Textile Machinery | ▶ Engine Starting |
| ▶ Machine Tools | ▶ X-Ray Equipment |
| | ▶ Ventilator Controls |
| | ▶ Display Lighting |

Enclosures

Popular size enclosures in NEMA 4 rated steel and NEMA 4X fiberglass

Effective Electronic Controls and Effective Customer Support

- ▶ **Sales** understands our customers' needs and ensures they are communicated accurately, that the price point and design continue to meet or exceed the customers' expectation.
- ▶ **Engineering** translates the customer's control requirements into a design that is reliable, manufacturable, and meets the customer's needs while complying with industry and regulatory agency standards. Our experience in electronic controls provides us with the ability to offer product enhancements to improve our customer's competitive advantage.
- ▶ **Manufacturing** builds your product as efficiently as possible, focusing on cost structure, state-of-the-art manufacturing, and process controls to ensure the highest quality product.
- ▶ **Technical Support** is readily available to assist with your specific applications.

Custom Controls Capability

AMETEK NCC:

- ▶ *Designs, engineers, and manufactures high-quality electronic controls for the value-driven and quality-conscious OEM customer.*
- ▶ *Provides solutions for the growing trend of corporate downsizing. Its fully turnkey, engineering and manufacturing solutions address the challenge and respond to rapid technological changes.*
- ▶ *Leads design and manufacture of custom electronic controls and assemblies through day-to-day interaction in design development in partnership with OEM customers.*
- ▶ *Increases customer satisfaction, confidence and loyalty through a multi-level, interactive organization that creates a high degree of mutual dependence.*
- ▶ *Emphasizes micro-controller hardware and software design in conjunction with analog and digital circuitry.*

Let AMETEK NCC be your partner in full-service design and manufacturing of custom electronic controls and assemblies.

At National Controls, effective communication is the key to our success. Whether standard product or custom, NCC uses a team approach that involves our customer, sales, engineering, manufacturing, and quality assurance. We built our business by solving problems. The lead team member, our customer, defines the problem. NCC engineering, sales, and manufacturing will solve the problem.

Contact the factory for further details, specifications, pricing, and assistance.

About National Controls

National Controls Corporation (NCC) is a unit of AMETEK, Inc., a leading global manufacturer of electronic instruments and electric motors with annualized sales of more than \$1.4 billion. AMETEK has over 8,500 employees at more than 70 plants and facilities in the United States and 18 other countries.

Headquartered in suburban Philadelphia, AMETEK consists of two operating groups:

Electronic Instruments—a leading manufacturer of advanced instruments for the aerospace, process and industrial markets.

Electromechanical—the world's leading producer of high-speed, air-moving electric motors for floor-care, aerospace, military, mass transit, business equipment and medical devices.

AMETEK's Corporate Growth Plan is based on Four Growth Strategies: Strategic Acquisitions & Alliances, Global & Market Expansion, New Products and Operational Excellence.

NCC serves as an excellent example of AMETEK's Strategic Acquisitions & Alliances growth strategy. Acquired in January 1999, NCC enhanced AMETEK's position in electronic controls for industrial applications.

NCC is part of AMETEK's Dixon Division, which produces electronic controls for heavy-vehicle, foodservice, and industrial markets. AMETEK Dixon is the number-one U.S. supplier of electronic dashboard instruments for heavy trucks and other vehicles.

In addition to standard product industrial controls, AMETEK NCC provides its customers with innovative and proven product and service solutions. NCC partners with its customers to better meet their design needs, and satisfy their requirements for product quality, reliability, and cost competitiveness.



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