

ZLC™ 421 Zero Language Controller



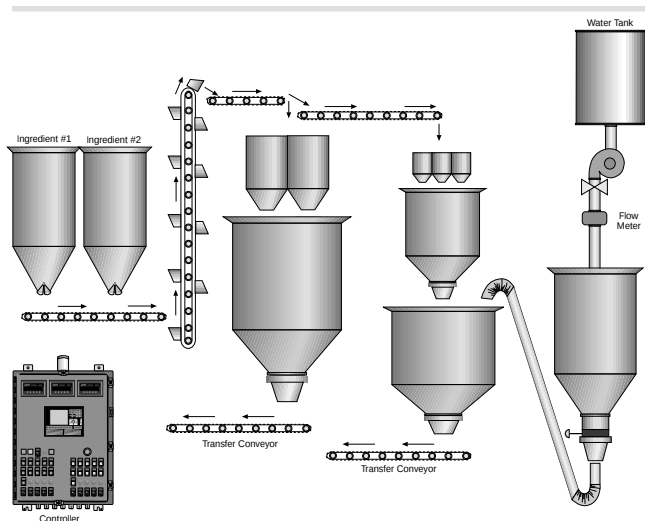
DESCRIPTION

ZLC™ 421 Zero Language Controller (consult factory for quotations)

The new ZLC™ 421 provides all the flexibility of a programmable indicator/controller without requiring the operator to know any programming language, hence the name ZLC™ (Zero Language Controller). With the ZLC™, batching has never been easier. Running on a Windows™ 95/98/NT industrial PC for industrial environments, this controller gets you up and running in a flash. It features multiple scale support with up to 288 digital input/output points, data collection, and reporting.

The ZLC™ also features configurable materials and digital input/output points that are flexible and easy to use. Additionally, operators are able to run an entire batching process by simply pointing and clicking with a mouse! And since it's user configurable in the field—one system can handle all of your applications.

So get ready for the 21st century by putting the ZLC™ 421 in control of your operation.



(Specifications on back)

Applications

- Batching
- Process control

Standard Features

- Pentium class industrial PC
- Automated batching, manual batching or combination
- Materials can be added via scales, flow meters, or hand added
- Stores thousands of materials and recipes used by system (limited only by disk space)*
- Auto-learn preact
- Auto-jog
- Inventory tracking and reporting
- Batch tracking and reporting (inventory tracking, user activity, batch activity, enhanced batch report, and data listings)
- Graphic real-time display
- System alarm output
- Single- or dual-speed fills
- Database backup/restore
- Reporting follows indicator units of measure (lbs, kgs, tons, grams, etc.)
- English/Spanish versions
- Three levels of security (administrator, supervisor, operator)
- 144 input/output points using OPTO 22 G4 I/O modules
- Safety interlocks
- Loss of power batch recovery
- Control lights, blenders, gates, motors, conveyors, scanners, flow meters, pumps, valves, and more

Options/Accessories

49580 Card, input/output digital 144 point

49581 Card, input/output digital 48 point

Consult factory for these additional options:

- Connecting to flow meters
- Connecting to computer network
- Ethernet connectivity
- Three indicators per system
- 288 input/output points

**Demo software allows customer demonstrations on a laptop computer and the ability to generate project configuration files that can be used with the final system.*

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Pentium is a registered trademark of Intel Corporation.

MATERIALS AND RECIPES:

Materials can be configured to batch automatically or manually
Limited by disk space—thousands can be added

EXTERNAL DEVICES:

Can be configured in the software

SECURITY:

Three levels of user security

BATCHING:

Start, stop, and pause ability. Automatic recovery in case of
power loss during batching

REPORTS:

Material usage, inventory, batch report, data listings, and user
activity report

TEST:

Test peripheral devices in a controlled manner

DISPLAY:

11.3" diagonal, flat TFT (thin film resistor) 800x600 resolution,
adjustable brightness control

MOUSE:

Round membrane panel integrated mouse for permanent
operation

KEYBOARD:

28 alpha keys, 28 numeric and symbol keys
Keys labeled K1–K12, function keys F1–F12 configurable

INTERFACE PORTS:

External PS/2 port
External PC 104 key style keyboard

DISK DRIVES:

Minimum 4.3 GB hard drive, shock mount
Front panel access to 1.44 MB 3.5" floppy disk drive

SERIAL OUTPUT:

Standard 1 serial RS-232 bi-directional
Optional: 2 additional RS-232 bi-directional serial ports

PARALLEL OUTPUT:

1 parallel port for printers

RELAY INPUTS AND OUTPUTS:

48 minimum, 144 standard, 288 maximum locally

POWER:

Input voltage: 85-132, 170-264 VAC auto-switching, 47-63 Hz
Input power: Maximum: 230 Watts (785 BTU/hr) 465 VA max
Typical: 96 Watts (328 BTU/hr) with Pentium II,
266 Mhz, A-B PCI video card, ISA keyboard
interface card, digital I/O card

Output Power: 155 Watts max, at 50° C (180/210 W power
supply)

OPERATING TEMPERATURE:

41°F to 122°F (5°C to 50°C)
-13°F to 122°F (-25°C to 50°C) non-operating temperature

FRONT-PANEL LED INDICATORS:

Power On, Hard Drive Access, Over-Temperature, Caps Lock,
and Insert

RELATIVE HUMIDITY:

8% to 80% non-condensing

OPERATING SHOCK:

15G (1/2 Sine, 11 millisecond duration)

UNIT WEIGHT:

37 lbs (not mounted in an enclosure)

DIMENSIONS (NOT INCLUDING NEMA 4 PAINTED MILD STEEL ENCLOSURE) APPROX:

Front panel height: 14" (355.6cm)
Width: 19" (482.6cm)
Depth: 8.38" (212.9cm)

WARRANTY:

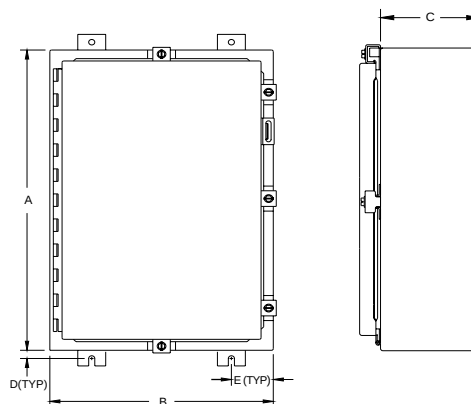
One year limited warranty on hardware
90-day warranty on software

OPERATING SYSTEM OPTIONS:

Windows 95/98/NT

VENTILATION:

Main ventilation fan (changeable filter)
Power supply fan



DIMENSIONS (TYPICAL)

A = 48.00" (1219mm)	D = 0.64" (16mm)
B = 36.00" (914mm)	E = 3.0" (76mm)
C = 16.00" (406mm)	