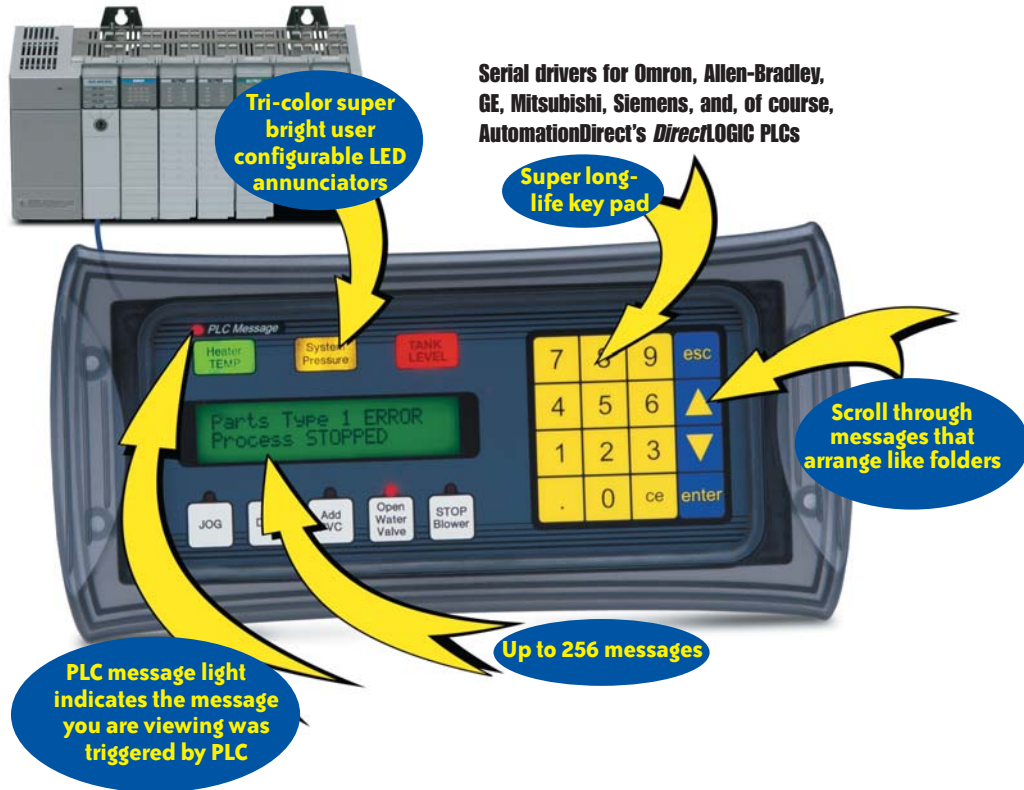


EZTEXT – PRACTICAL PLC TEXT PANELS

EZTEXT™



Key features

- Mounts in the same cutout dimensions as our OP-1000 and OP-600 series Optimate panels
- Heavy duty mounting gasket
- PLC message indicator LED tells the operator that the PLC triggered a message
- Program up to 256 messages. Messages can have up to three embedded variables
- Requires external 24VDC power supply
- \$26 programming software, with menu configuration similar to your computer file folders for ease of use
- Communication cables:
Programming cable
PLC to EZText cables

Communications drivers supported

- Allen-Bradley DF1 (PLC-5, SLC 5/03/04/05, MicroLogix 1000, 1200 and 1500)
- Modicon MODBUS RTU
- GE Fanuc SNPX (90/30, 90/70)
- All Mitsubishi FX Series (direct, mutidrop)
- Omron Host Link (C200 and C500)
- Siemens S7 MPI Adapter series PLCs (S7 300/400)
- All AUTOMATIONDIRECT DirectLOGIC PLCs

EZText write utility

This free software allows users to download new or updated projects to the EZ-MULTIDROP, or to individual panels, without requiring the EZText programming software

CHOOSE FROM FIVE EZTEXT™ MODELS

**EZ-220**

Two-line message display and pushbuttons

- Two-line x 20-character message display
- Five user-defined buttons and LEDs
- Scroll data entry
- Built-in menu system
- EMI filtered power supply reduces communication problems

**EZ-420**

Four-line message display and pushbuttons

- Four-line x 20-character message display
- Five user-defined buttons and LEDs
- Scroll data entry
- Built-in menu system
- EMI filtered power supply reduces communication problems

**EZ-220L**

Two-line large message display and buttons

- Two-line x 20-large character message display
- Five user-defined buttons and LEDs
- Scroll data entry
- Built-in menu system
- EMI filtered power supply reduces communication problems

**EZ-220P**

Two-line message display and keypad

- Two-line x 20-character message display
- Five user-defined buttons and LEDs
- Numeric keypad
- Scroll data entry
- Three tri-color LED annunciators
- Built-in menu system
- EMI filtered power supply reduces communication problems

**EZ-SP**

Eight-digit setpoint panel

- Setpoint entry with one-line x 16-character text display, 8-digit numerical display
- Up to 256 setpoints or displays with text
- Scroll keys for changing values
- “Enter” key to send value to the PLC
- EMI filtered power supply reduces communication problems

**EZ-MULTIDROP**

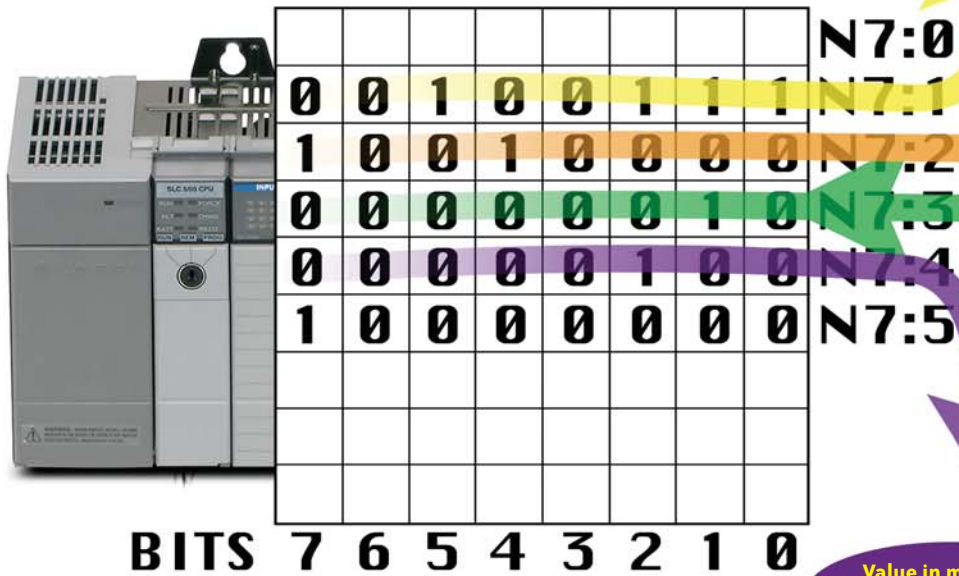
EZ Multiplexer communication master unit

- Allows up to five EZText Panels to communicate with a single PLC
- Optimizes data requests from panels for greater efficiency
- Communicates to panels at 38.4k baud
- Supports non-contiguous PLC registers

EZTEXT IS EASY TO CONFIGURE

What you see is what you get

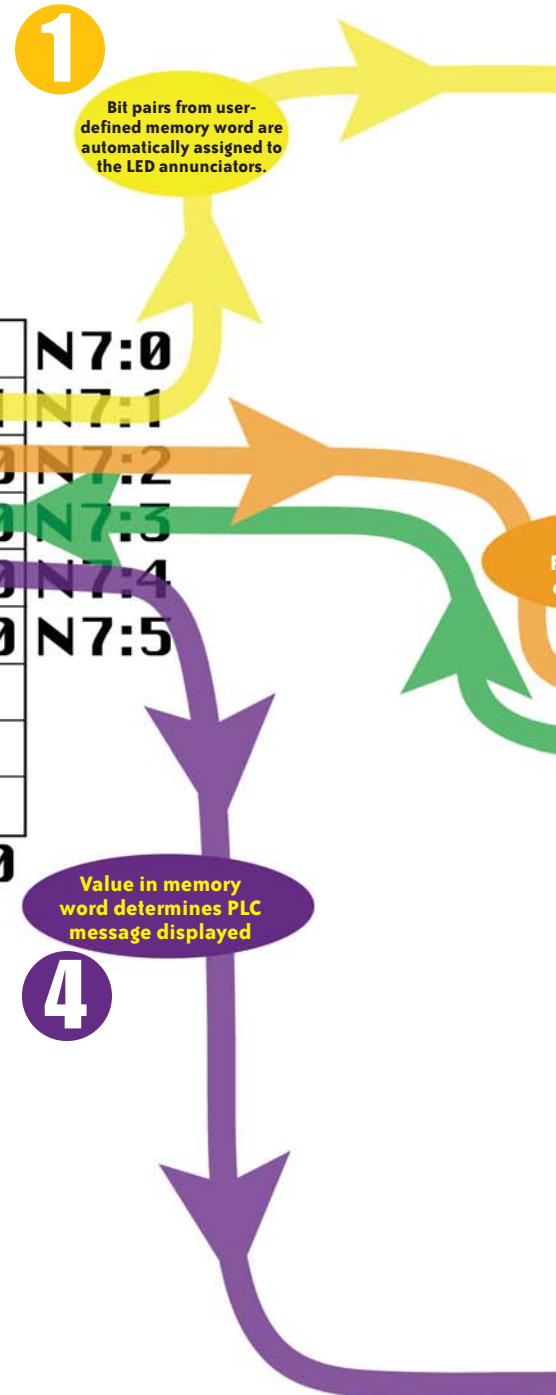
In the past, text panels required extensive ladder logic programming to create a good menu messaging system. It wasn't uncommon to write several pages of ladder logic to create a simple menu of messages. It often took additional pages of logic to transfer operator-entered variables from the panel to PLC memory. To make matters worse, the programming software was often confusing. With EZText, we've changed all of this by designing a better type of text panel from the ground up.

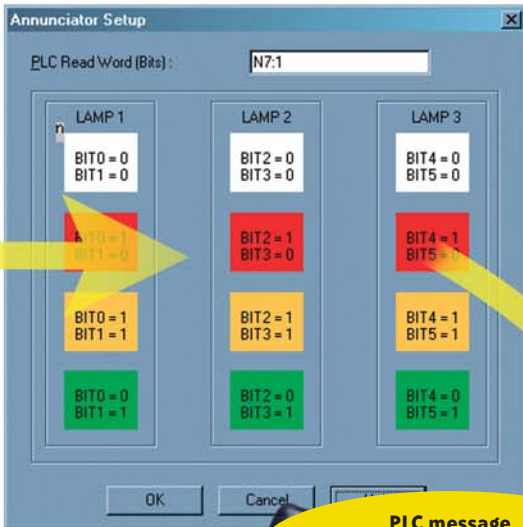


Choose PLC memory locations for controlling panel LEDs, accepting pushbutton requests, triggering messages, accepting setpoint data and displaying status data.

Configuring a text panel has never been this easy. We incorporated features that give you the most flexibility with the least amount of effort.

- 1** We use super bright tri-color (red/amber/green) annunciator LED bars instead of the one-color LED bars used in most units! You don't need to take apart the unit to change a color! Each LED bar is controlled by two bits of a single user-defined memory word in the PLC. By simply changing these two bits, the PLC can change the color of the LED bar.
- 2** User-defined pushbutton LED status is directly mapped from bits in a single user-defined PLC memory word.
- 3** User-defined pushbutton keys are automatically written to bits in a single user-defined PLC memory word.
- 4** Up to 256 total text messages can be stored in the text panel. The messages can either be triggered by the PLC or locally, using the up/down keys.





Local messages

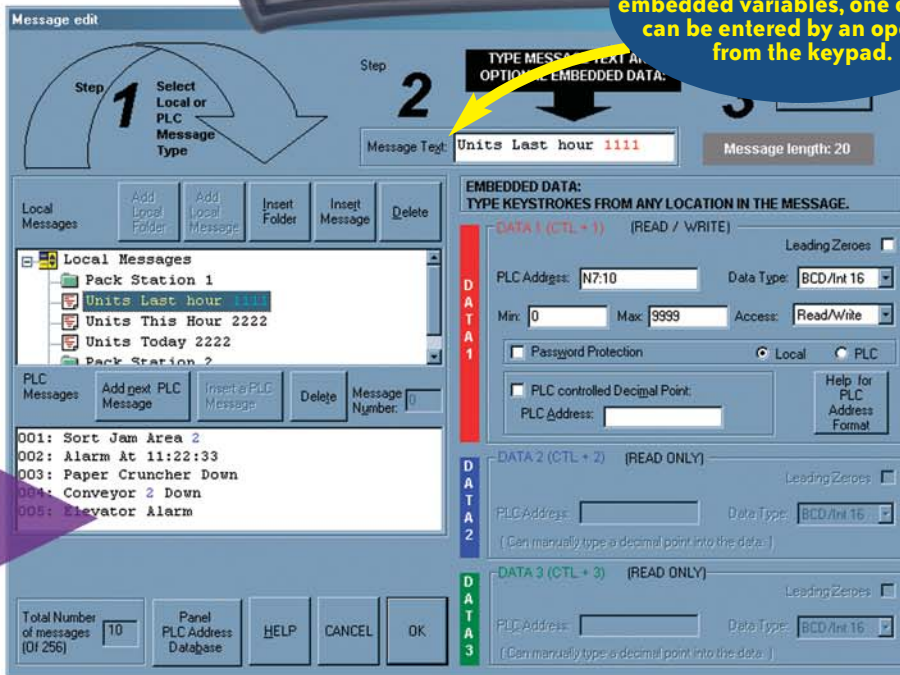
During message configuration, simply type your messages in folders and subfolders. You can insert up to three embedded variables into a single message, one of which can be entered by the operator with the keypad. Once the panel is running, the operator can view local messages using the keypad to navigate the message folders.

Unlike some other brands of panels, these navigation functions require no ladder logic. Nor do data entry or embedded variables, since each variable is directly mapped into the PLC. You can configure this system in minutes!



2
Pushbuttons or PLC memory bits control the LEDs

3
Pushbutton keys control assigned bits in memory word



PLC messages

Simply type your PLC-activated messages into the prenumbered PLC message table, with up to three embedded variables per message. The PLC program triggers messages by writing the appropriate PLC message number into a user-defined PLC memory location. Each display line on the EZText panel is addressed by a different PLC memory location. Since a PLC-triggered message is often related to an alarm, it will automatically overwrite any locally-activated message.

All PLC messages activate the PLC message LED on the unit. This tells the operator that the PLC has sent the displayed message. Toggle between local messages and PLC messages using the "ESC" key. We are unaware of any other text panel on the market that does this!

EZTEXT PANELS SELECTION GUIDE



EZ Text Panel Specifications					
Part Number	EZ-220	EZ-220L	EZ-420	EZ-220P	EZ-SP
Price	check	check	check	check	check
Description	2x20 LCD display, five user defined pushbuttons, five LEDs	2x20 LCD display, large characters, five user defined pushbuttons, five LEDs	4x20 LCD display, five user defined pushbuttons, five LEDs	2x20 LCD display, numeric keypad, five user defined pushbuttons, three tri-color LED annunciators	1x16 LCD display, 8 digit LED display, five control pushbuttons
Display Type	Character LCD, 2 lines by 20 characters w/LED backlight		Character LCD, 4 lines by 20 characters w/LED backlight	Character LCD, 2 lines by 20 characters w/LED backlight	Character LCD, 1 line by 16 characters w/8 digit .52" LED numeric display
Character Height	5.55mm (0.22")	8.06mm (0.316")	4.75mm (0.187")	5.55mm (0.22")	8.06mm (0.316")
Keypad Overlay	Five user-defined pushbuttons and four control pushbuttons			Numeric keypad, five user defined pushbuttons and four control pushbuttons	Four control pushbuttons
CPU Type	8-bit	8-bit	8-bit	8-bit	8-bit
Service Power	24VDC (20-30VDC operating range)				
Power Consumption	4 Watts @ 24VDC	4.5 Watts @ 24VDC	4 Watts @ 24VDC	5.5 Watts @ 24VDC	6.5 Watts @ 24VDC
Enclosure	NEMA 4, 4X (indoor)				
Agency Approval	UL, cUL, CE				
Operating Temperature	0° to 45°C (32° to 113°F)				
Storage Temperature	-20° to 60°C (-4° to 140°F)				
Humidity	10-95% RH, (non-condensing)				
Electrical Noise	NEMA ICS 2-230 showering arc ANSI C37.90a-1974 SWC Level C Chattering Relay Test				
Withstand Voltage	1000VDC (1 minute), between power supply input terminal and protective ground (FG)				
Vibration	5 - 55Hz 2G for 2 hours in the X, Y, and Z axes				
Shock	10G for under 12 ms in the X, Y, and Z axes				
Burn-in	Temperature cycled 96 hours and then fully functional tested				
LED/LCD Life	100,000 hours				
Serial Communications	Download/Program/PLC Port RS-232/RS422/RS485 15-pin D-sub (female)				
Dimensions (in/mm)	7.418x5.00 (188.419x126.998)	10.018x5.00 (254.458x126.998)	7.418x5.00 (188.419x126.998)	10.018x5.00 (254.458x126.998)	10.018x5.00 (254.458x126.998)
Weight (lbs.)	.65	.85	.65	.85	.85

EZTEXT PANELS SPECIFICATIONS

Introduction



EZText Panels provide a low-cost, easy-to-use operator interface alternative for your PLC system. With easy-to-configure Windows-based software and simple installation, you can be connected and running in minutes. If your application requires pushbuttons, LEDs, or text display, but your budget is low, check out our complete line of EZText panels.

Features

The following features are common to all EZText panels:

- LCD display
- Five user-defined pushbuttons (except EZ-SP)
- Five user-defined LEDs (except EZ-SP)
- Up to three embedded PLC data variables (except EZ-SP)
- Built-in menu system
- EMI filtered power supply to reduce communication problems



Display

Depending on the model, the LCD display window supports one, two or four message lines that can display up to 20 characters each (16 on EZ-SP). Messages are programmed using the EZText Programming Software and can be static text, dynamic text, or interactive. The messages are controlled by the PLC program.

Pushbuttons



The panels have sealed membrane pushbuttons that allow you to trigger PLC actions. Each pushbutton can be configured to function as one of three switch types:

- Alternate switch** — keeps its current state until the button is pushed again
- Momentary switch** — activated only while the button is being pushed
- Set with release switch** — similar to the alternate switch except that the PLC can control the release



Compatibility

The EZText panels can be connected to several types of PLCs: Allen-Bradley, GE, Mitsubishi, Omron, and Modicon. Review the PLC compatibility table below to determine if your PLC is supported. With the proper cable and the EZText programming software, you can be easily connected.

Getting started

Below is a quick checklist of what you will need to get started:

- EZText panel
- Programming cable
- 24VDC power supply
- PLC
- Cable to connect to PLC
- Personal computer
- EZText Programming Software

PLC Compatibility Table			
PLC	Model	Protocols	
Allen-Bradley	MicroLogix 1000, 1200 and 1500; SLC 5/03, /04, /05, PLC5	DF1	
GE	90/30, 90/70	SNPX	
Mitsubishi	FX Series (all)	Direct, Multidrop	
Omron	C200, C500	Host Link	
Siemens	S7 300/400 PLCs, MPI Adapter	3964R protocol	
DirectLOGIC	DL05 DL06	K-Sequence DirectNet MODBUS (Koyo addressing)	
	DL105	K-Sequence	
	DL205	D2-230	K-Sequence
		D2-240	K-Sequence DirectNet
		D2-250-1 D2-260	K-Sequence DirectNet
			MODBUS (Koyo addressing)
		D2-240/250/260 DCM	DirectNet
		DL305	D3-330/330P*
	D3-340		DirectNet
	D3-350		K-Sequence DirectNet
			MODBUS (Koyo addressing)
	D3-350 DCM		DirectNet
	DL405	D4-430	K-Sequence DirectNet
			K-Sequence DirectNet
		D4-440	K-Sequence DirectNet
			K-Sequence DirectNet MODBUS (Koyo addressing)
		All with DCM	DirectNet
	H2- WinPLC	MODBUS RTU (serial port)	
H2/H4 EBC (Think-N-Do Studio Version 6.5 or later required)	K-Sequence (serial port)		

* Requires Data Communications Unit

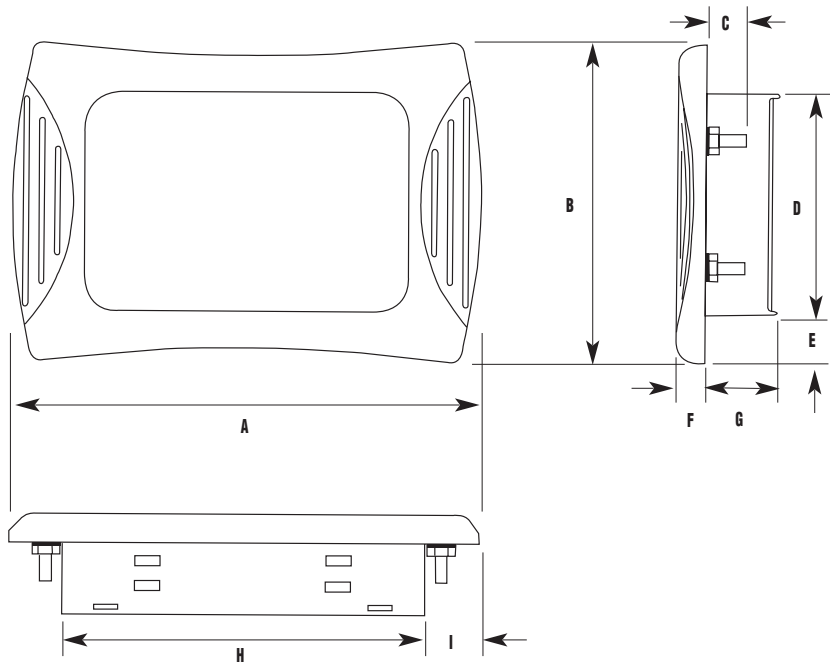


EZTEXT DIMENSIONS AND INSTALLATION

All EZText panels are designed to be inserted into a rectangular cutout in some type of mounting surface and secured with screws or DIN clips. The four screws that protrude through the mounting surface secure the panel to the mounting surface. A rubber gasket provides a seal between the bezel and mounting surface. When properly mounted, all of the EZText panels comply with the NEMA 4/4X rating for indoor use.

The optional DIN clips are metal brackets that attach to the panel and secure the front panel to a mounting surface with a screw. This provides an alternative mounting solution to a panel or enclosure cutout.

Dimensions (inch, mm)		
Legend	EZ220/420	EZ220L/220P/SP
A	7.418 (188.419)	10.018 (254.458)
B	5.000 (126.998)	5.000 (126.998)
C	0.625 (15.875)	0.625 (15.875)
D	3.50 (88.9)	3.50 (88.9)
E	.750 (19.05)	.750 (19.05)
F	.450 (11.430)	.450 (11.430)
G	1.154 (29.312)	1.154 (29.312)
H	5.750 (146.050)	8.350 (212.090)
I	.834 (21.184)	.834 (21.184)



Note: Panels use same mounting dimensions as comparable Optimate panels.

Mounting Accessories		
Part Number	Description	Price
EZ-TEXT-S-GSK	Standard replacement gasket (small) for EZ-220 and EZ-420	check
EZ-TEXT-L-GSK	Standard replacement gasket (large) for EZ-220L, EZ-220P and EZ-SP	check
EZ-BRK-2	DIN clips (pk. of 4)	check
EZ-TEXT-STUDS	Mounting studs (pk. of 4)	check
EZ-COMCON3	15-pin male D-sub connector with terminal blocks, for connecting RS422 network cable from EZTouch or EZText panels	check
EZ-COMCON4	9-pin female D-sub connector with terminal blocks	check
EZ-TEXT-CORE	EZText replacement ferrite cores	check
EZ-TEXT-PWRTERM	EZText replacement power terminal strip	check

EZ-220/420/220L

Overview

The EZ-220 and EZ-420 line of panels feature pushbuttons with LEDs, control pushbuttons, and an LCD display. The EZ-220L is a longer version of the EZ-220 panel with larger characters on the LCD display. Pushbuttons are often used to begin events or tasks in the PLC and are monitored for ON/OFF conditions in the ladder logic program. There are five function pushbuttons with LEDs and four control pushbuttons.

The LCD displays are either two lines by 20 characters (2x20) or four lines by 20 characters (4x20).

Descriptions

Control pushbuttons

There are four control pushbuttons on the front of the panels. These pushbuttons are used to scroll through messages. If a message contains embedded data that can be changed, the buttons can be used to adjust the value. The enter button will complete the entry or the esc button will clear/cancel the action.

User-defined pushbuttons

There are five pushbuttons that are user-defined. These pushbuttons can be configured as alternate, momentary, or alternate with PLC release. The pushbuttons can also be custom labeled to suit their function or application with the blank labels supplied.



Pushbutton LEDs

Each pushbutton has an associated LED. They can be programmed to represent the status of the pushbutton or they can be programmed to be controlled by a function in the PLC program. The three different control types (alternate, momentary, or alternate with PLC release) will determine the LED response when the pushbuttons are pressed. The LED can also be made to flash.

PLC message LED

The panels have a PLC message LED. The LED will illuminate to indicate that the PLC has triggered a message that will be displayed in the LCD window. The LED will turn OFF when the *esc* pushbutton is pressed.

Character LCD display

The LCD screen on the EZ-220/420 models displays two different message types: local and PLC. In normal operation, the local messages are displayed on the screen. The messages have a menu tree structure with file folders that can be scrolled through using the control pushbuttons. A message with a "+" in the first character location indicates that it is a folder. When it is selected, (*enter*), the first character turns to a "-" and all associated messages can be viewed.

The PLC message mode allows the PLC to display non-user accessed messages. When the PLC triggers a message, the PLC Message light will illuminate and the current text message on the display will be overwritten by the PLC message. As soon as the message is acknowledged, the display will return back to the previous local message.

Up to 256 total messages may be configured and stored in the EZText Panels. The message can be three types: static, dynamic, or interactive.

Part Number	Description	Price
EZ-220	2x20 LCD display, 5 pushbuttons, 5 LEDs (all user defined), 4 control pushbuttons	check
EZ-220L	2x20 LCD display (large Characters), 5 pushbuttons, 5 LEDs (all user defined), 4 control pushbuttons	check
EZ-420	4x20 LCD display, 5 pushbuttons, 5 LEDs (all user defined), 4 control pushbuttons	check

Manual sold separately, EZ-TEXT-M

EZ-220P

Overview

The EZ-220P panel features pushbuttons with LEDs, control pushbuttons, a 2x20 character LCD display, three LED annunciators, and a numeric keypad. Pushbuttons are often used to begin events or tasks in the PLC and are monitored for ON/OFF conditions in the ladder logic program. There are five user-defined pushbuttons with LEDs that are configured using the EZText Programming Software. There are also three annunciator lamps that can be used for various status or alarms.

The LCD displays contain two lines by 20 characters (2x20).

Front panel descriptions

Annunciator

The front panels have three status annunciator lamps. The lamps are high-intensity LEDs that will illuminate to indicate an action set in the PLC. The LED colors (red, green and amber) are based on the bits in the associated PLC address string. You can also add labels to the LEDs using the provided templates.

User-defined pushbuttons

There are five pushbuttons that are user defined. These pushbuttons can be configured as alternate, momentary, or alternate with PLC release. The pushbuttons can also be custom labeled to suit their function or application with the blank labels supplied.



Pushbutton LEDs

Each pushbutton has an associated LED. They can be configured to represent the status of the pushbutton or they can be programmed to be controlled by discrete bits in the PLC program. The three different control types (alternate, momentary, or alternate with PLC release) will determine the LED response when the pushbuttons are pressed. The LEDs can also be made to flash.

Numeric keypad

The numeric keypad has 16 pushbuttons for data entry, scrolling, or interactive messages. When configured using the EZText Programming Software, interactive messages can be used for changing values using the numeric keypad pushbuttons 0-9 and the decimal point. The value will be updated in the PLC only after the *enter* button has been pressed. The *esc* button will abort or cancel the adjustment without changing the PLC value.

The EZ-220P has password protection options for each keypad numeric entry.

Character LCD display

The LCD screen on the EZ-220P model displays two different message types: local and PLC. In normal operation, the local messages are displayed on the screen. The messages have a menu tree structure with file folders and can be scrolled through using the control pushbuttons. A message with a "+" in the first character location indicates that it is a folder. When it is selected (*enter*), the first character turns to a "-" and all associated messages can be viewed.

The PLC message mode allows the PLC to display non-user accessed messages. When the PLC triggers a message, the PLC Message light will illuminate and the current text message on the display will be overwritten by the PLC message. As soon as the message is acknowledged, the display will return back to the local messages.

Up to 256 total messages may be configured and stored in the EZText Panels. The message type may be static, dynamic, or interactive.

Part Number	Description	Price
EZ-220P	2x20 LCD display, three tri-color annunciator lamps, Numeric Keypad, 5 pushbuttons, 5 LEDs (all user defined)	check

Manual sold separately, EZ-TEXT-P-M

EZ-SP

Overview

The EZ-SP Set Point panel provides a low-cost, high-performance interface for data display and operator control. The displays have numeric data fields that are linked to the PLC using the EZText Programming Software. During configuration you can designate up to 256 data fields to be either display values or setpoints. The numerical display has super bright seven-segment LEDs for viewing data and adjusting setpoints. The 1x16 LCD screen displays any text associated with the numerical display. There are five control pushbuttons used for message viewing and data input.

Front panel descriptions

Control pushbuttons

There are five control pushbuttons on the front of the panels. When configured using the EZText Programming Software, a message can be set for adjustment using the arrow pushbuttons. The operator can press the arrow buttons to increment or decrement the numeric value. The value will be updated in the PLC only after the enter button has been pressed. The esc button will abort or cancel the adjustment without setting the PLC.



Numeric display

The EZ-SP has an eight-position numeric display with seven-segment LEDs. The LEDs have a super bright intensity for easy viewing of the display. When the panel is configured with the EZText Programming Software, this display will show values from PLC registers.

Character LCD display

The EZ-SP model provides one message line that can display up to 16 characters. The LCD display serves as a message screen for the data displayed in the 8-position LED numerical display. Instead of creating labels to describe the data fields, simply use the software to program the message or label to be displayed with the data.

The PLC Message LED illuminates when the PLC displays register values and its associated text message.

Number	Description	Price
EZ-SP	1x16 LCD display, 8-digit LED display, five control pushbuttons	check

Manual sold separately, EZ-TEXT-SP-M

EZMULTIPLEXER

EZ-MULTIDROP

The EZMultiplexer is a communication master unit designed to allow up to five EZText panels to communicate with a single PLC. You may connect five of any combination of EZText panels. After selecting a multi-panel system in the programming software (Version 2.0), you select an EZText panel connected to Port 1, Port 2, Port 3, Port 4, or Port 5, and configure it individually. Each EZText panel in a multi-panel system may have a unique configuration. Only the PLC settings are common to all five panels. When creating a multi-panel project, you can import a panel configuration from an existing project file, or export it to another project file. In addition to the multiplexer itself, for each panel you will need one EZ-COMCON3 and one EZ-COMCON4 for the Belden 9729 (or equal) cable. A write utility is included so you can download changes to one or more panels on the complete system without using EZText Software.



What you need to get started:

Hardware

- 1 EZMultiplexer, P/N EZ-MULTIDROP
- Up to five EZText panels (choose from models EZ-220, EZ-220L, EZ-420, EZ-220P, EZ-SP)
- 24 Volt DC Power Supply (FA-24PS recommended)
- Programming Cable (P/N EZTEXT-PGMCBL)
- RS-422 multiplexer to EZText panel cables, one cable per panel (Belden 9729 or equal)
- EZ-COMCON3 and one EZ-COMCON4 connector for each panel
- RS-232C or RS-422A/485A PLC cable
- Programmable Logic Controller (PLC)

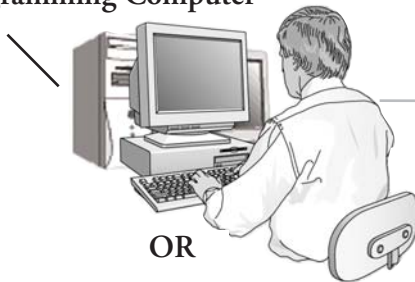
PC requirements

- IBM or compatible PC (486 or better) with a mouse and separate serial port
- VGA display with at least 800 x 600 resolution (1024 x 768 recommended)
- Windows 98 (Second Edition)/NT4.0/2000/XP
- CD ROM Drive

Software

- EZText programming software (EZ-TEXTEDIT, Version 2.0 or later)

Programming Computer



PLC

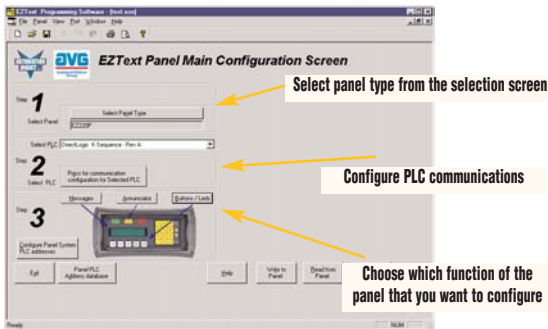


EZTEXT CONFIGURATION SOFTWARE

Configuration software

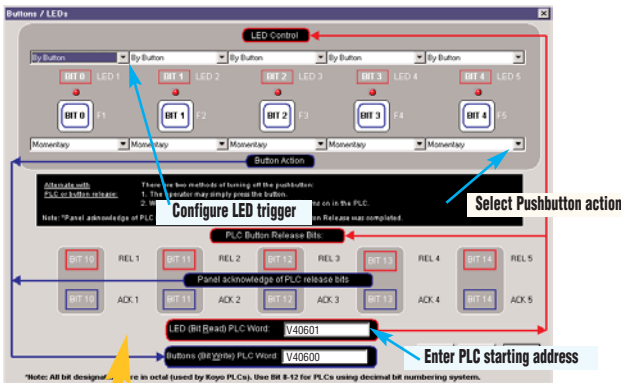
The EZText configuration software (EZ-TEXTEDIT) is an easy-to-follow Windows-based program. The screens and pull-down menus provide all of the necessary tools you will need to select the panel type, configure the PLC communications, create text messages, etc.

Unlike other text panels that require extensive programming and associated ladder logic to make the pushbuttons and LEDs operable, the EZText panels use simple addressing and bit assignments. EZText panels use the EZTEXT-PGMCBL programming cable.

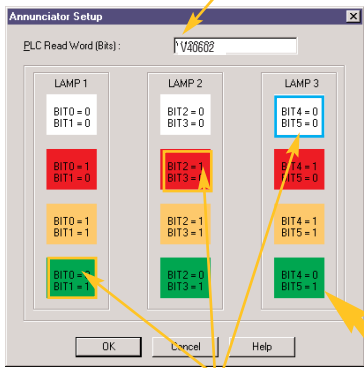


Pushbutton and LED configuration

The configuration screen for the pushbuttons and their associated LEDs contains all of the relevant information needed. You can configure the pushbuttons in three different ways: alternate, momentary, or alternate with PLC release option. Likewise, the associated LEDs can be triggered three ways: by the associated pushbutton, by the PLC, or they can be made to flash by the pushbuttons. The LEDs can be totally independent of the pushbutton action. This screen will also contain the associated PLC address. Once you select the address assignment, all of the pushbutton and LED fields will be populated with the associated bit assignments. The screen to the right shows V40602 as the address for the pushbuttons. The pushbuttons are then automatically labeled C0-C4. The first bits of the word control the function of the pushbutton. The LEDs are using V40601 as the address. They occupy the first five bits of that word, therefore they are labeled C20-C24. The address used for the LEDs is also shared with the option of the pushbutton set and release by the PLC function. In this example, the address will occupy bits 9-13 (C30-C34).



This example illustrates the pushbuttons configured using V40602 address from a DirectLOGIC PLC. If you are using an Allen-Bradley PLC, the C40 -C46 identifiers would be bits 1-6.



Annunciator lamps on the EZ-220P

The annunciator lamps (LEDS) available on the EZ-220P are configured similar to the pushbuttons and LEDs on the EZ-220/420 panels. You can individually select the colors and how they are activated. Once you have selected the starting address in the associated PLC, all of the lamps will be identified. The color that the lamp is illuminating depends on the bit assignment of the address selected. For example, if bit 1 is ON and bit 2 is OFF, the first lamp is Green. If bit 2 is ON and bit 3 is ON, the lamp is Yellow. If bit 5 is OFF and bit 6 is ON, the third lamp will be RED. The diagram to the right illustrates how each lamp is affected by each bit sequence.

A-B	Direct Logic	Bits																		
																	LSB			
N7:0	V40600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
N7:1	V40601	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
N7:2	V40602	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	
N7:3	V40603	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
N7:4	V40604	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
N7:5	V40605																			

EZTEXT CONFIGURATION SOFTWARE

Text messaging

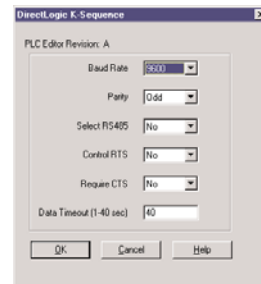
The EZText panels can store up to 256 messages. There are two types of messaging for the panels: local and PLC. Local messages are displayed on the screen unless the PLC triggers a PLC message. When a PLC message is triggered, the PLC Message LED will also be illuminated. The PLC message will remain displayed until it is acknowledged (pressing esc on the panel).

The local messages can be arranged and organized in a menu tree structure by the use of file folders. You can also have a submessage within a folder for more versatility. The folders can be arranged to make multiple messages easier to locate and read. On the LCD display, a folder is represented by a "+" symbol. By using the control pushbuttons (*enter*, *up*, *down*, *esc*), you can select a folder or main menu item (by pressing *enter*). If you select a folder (clicking on a message with a "+" at the beginning), the main folder heading will stay on the top line of the display (turns to a '-') and all of the associated messages or folders under that will be displayed. You can scroll through the messages and change a variable that is included in the message string. You can have up to three variables in a message, and one can be a setpoint.

The PLC messages are also entered in this dialog box. The message number assigned in this screen is what the PLC uses to trigger the display of the message.

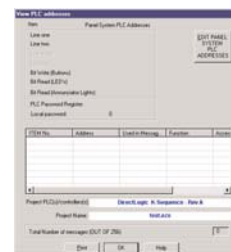
Panel communication set up

The dialog box for communications setup is where you select the PLC type and communication parameters. To make the process easier for you, most of the fields will be populated as soon as you select the PLC. After you have completed the screen, click OK and you are finished.



View PLC tagnames

The configuration software provides a screen to view all of the programmed messages and tagnames that you have assigned to the panel. With 256 message capability, this screen can provide a great organizational tool to help you remember what addresses you have used, what names or messages you have programmed, and any other items that you have programmed.



EZ-SP configuration

The EZ-SP (setpoint display) panel has a unique setup screen for data and message display. Most other setpoint display panels have a physical label to identify the data displayed. The EZ-SP attaches the associated text with the numeric data and displays it on the 1x16 LCD display.

The setup screen will contain such items as single/double word, decimal point information, associated text message, read/write information, PLC information, and data entry parameters. The pushbuttons on the front of the panel will scroll through the data items and when selected, permit data variables to be changed.

