

*Monitor and control
at your fingertips*



IDEC SmartTouch Family

Smart Product. Simple Solutions.



Text message screens

fit your special communications needs.

HG1X

Text display for small application

The HG1X series are text message displays with built-in user definable function keys which make them an excellent tool for small applications. The bright, back lit LCD screens can display data, alarms, errors, and data entry. The user can define as many screens as allowed by the memory and create multiple alarms with basic acknowledgements. In addition, they can communicate with IDEC PLCs as well as many major brand PLCs.

- Models available:
 - 2-line, 16 character display with 24KB memory
 - 4-line, 20 character display with 24KB memory
 - 8-line, 20 character display with 64KB memory
- All keys are programmable to do multiple tasks
- Screen Password protection
- LEDs are programmable for on/off state
- Serial port for printing screens and alarms
- Numeric keypad for easy data entry (4 and 8-line displays only)
- Bitmap import capability (8-line displays only)
- Communication available for most major PLC manufacturers
- Class 1 Div 2 (UL 1604) for hazardous locations, UL508
- All models are programmable with WINDMSG software

Screens

Users can easily define as many screens as allowed by the memory. A list of tasks can be assigned for each screen. All screens can be password protected providing an increased level of security. Various types of objects can be placed on the screens such as text, data display, alarm object, data entry, bar graphs, and a user can even import images (8 line display model only).

Keys:

The keys are user definable. Each key can have multiple tasks assigned to it, making them extremely powerful tools for simple machine control. Create simple alarms with keys assigned to acknowledge alarms and print or view next/previous alarms.

LED:

The LEDs provide on/off status for users to provide for simple monitoring.

Changing Data:

Cursor control (for 2-line display) or keypad (for 4-line and 8-line display) operations are available for easy data entry.

Serial Port:

Supports serial printing to print screens. Great for keeping records or for documentation purposes.



2 Line Display

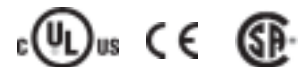


4 Line Display



8 Line Display

Cost effective displays for small applications.



HG1X Part Numbers

DESCRIPTION	COMMUNICATION TYPE	PART NUMBERS
2-Line Text Message Display, No External Power Required	RS-232	HG1X-252
2-Line Text Message Display, 24VDC Power Required	RS-232 / RS-485	HG1X-222
4-Line Text Message Display, No External Power Required	RS-232	HG1X-452
4-Line Text Message Display, 24VDC Power Required	RS-232 / RS-485	HG1X-422
8-Line Text Message Display, 24VDC Power Required	RS-232 / RS-485	HG1X-822



*IDEC Touchscreens –
Smart Solutions to help
control your bottom line.*

In today's market, effective monitoring and control of your manufacturing environment is critical to your bottom line. In order to stay ahead of the competition, you need to constantly look for new ways to increase productivity and lower your costs, while maintaining quality control and safety.

A typical manufacturing control panel has an overwhelming array of buttons, switches, relays and other devices that make it cumbersome and hard to manage. Most control panels are large and bulky and take up a lot of very expensive real estate. With so many different components, rising replacement and labor costs continue to eat at your profit margin.

IDEC has focused on bringing smart solutions to the monitoring and control of the manufacturing environment. With the introduction of the touchscreen family of operator interfaces over 10 years ago, IDEC not only helps you control your manufacturing line, but also helps control your bottom line.

Now with the introduction of our new IDEC SmartTouch family of operator interfaces, we bring you exceptional design, great functionality, and ease of programming that takes monitoring and control to the next level.



Productivity, quality control and safety.

IDEC SmartTouch Family:

Smart design to fit your needs

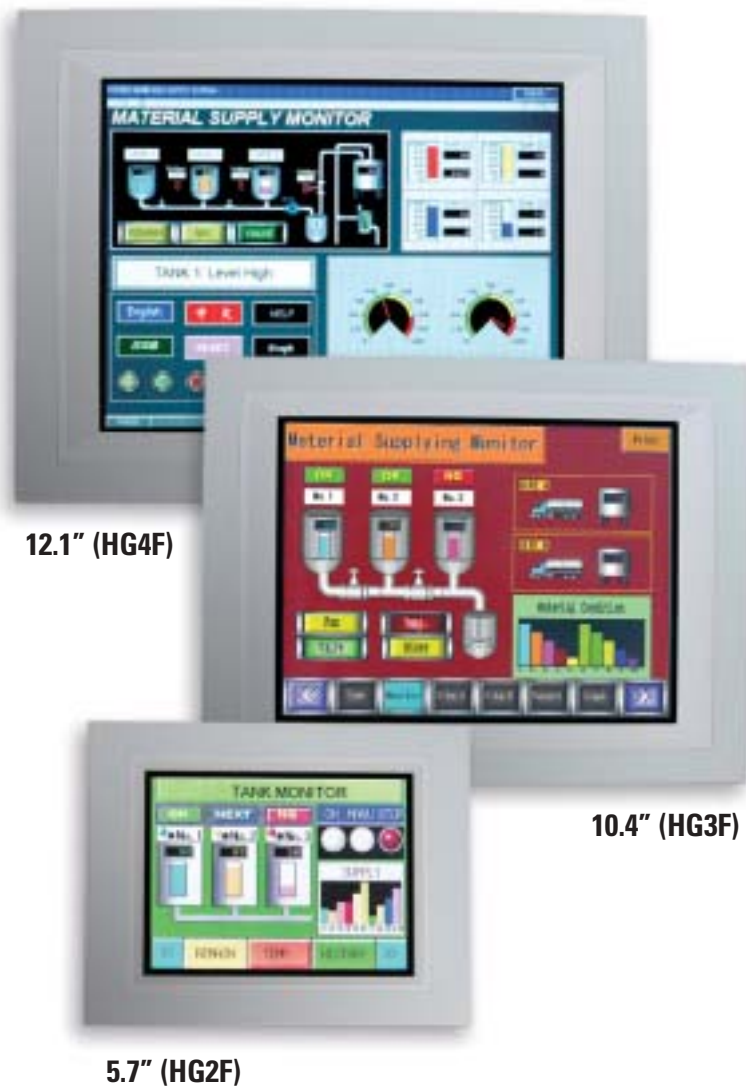
From the large 12.1" TFT LCD Screen, to the compact 5.7" STN LCD, our screens support 256 colors with high pixel resolution to give you sharp images and excellent visibility. In keeping with IDEC's attention to detail, our slim-body design adapts to applications where space is limited. With up to 8MB of memory and a 200MHz 32-bit RISC CPU, IDEC Touchscreens put control, power and speed at your fingertips.

Versatile, High functionality

IDEC Touchscreens can function as either a stand alone controller or communicate with IDEC PLCs and a wide array of major manufacturers' PLCs. Touchscreens interface with any of your equipment to provide graphical data presentations in vivid color and to display bar graphs and meters to represent analog data. Illuminated pushbuttons can replace physical mechanical switches; pilot lamps can display on/off states and show almost any production information you need to monitor.

Programming power made easy

IDEC's powerful WindO/I-NV2 software lets you create colorful graphical interfaces for easier production supervision and control. A built-in library of over 5000 bitmap images helps you easily display almost every manufacturing activity you want to control. Our programming software is intuitive and user-friendly. With re-sizeable pop-up screens, Windows compatible fonts, and multilingual text capabilities, you enjoy the utmost flexibility in designing and programming.



12.1" (HG4F)

10.4" (HG3F)

5.7" (HG2F)

Powerful features to increase your production efficiency.

The IDEC SmartTouch Family is ideally matched to today's sophisticated technology. Using a wide range of graphic options, you can clearly represent specific equipment, make production information immediately apparent and instantly display safety problems. Consolidating controls on an IDEC touchscreen interface eliminates costly investments in wiring and installation of multiple pushbutton indicators on the traditional control panel. Just think how you can benefit with touchscreens at critical spots in your plant.

Expansion I/O

An expansion digital I/O module gives you the option of expanding your system with 16 DC inputs and 16 transistor outputs for basic PLC control.



Increased functionality gives you the power of control.

Ethernet Support

The built-in 10BaseT Ethernet port found on the 10.4" and 12.1" touchscreens allow you to remotely monitor machine-operating status via the Internet or your Local Area Network using any web browser. Regardless of your location, you can use your PC's browser (Netscape or Internet Explorer) to collect CF Card data about any touchscreen project. You can efficiently monitor and manage production activity from your office without the time or expense of travel.



Smart Functionality



Basic Data Representation

A built-in software library of over 5000 bit-mapped images lets you graphically represent almost any plant activity or equipment that you want to monitor or control. In addition to representing meters, bar graphs and switches, you can also incorporate keypads to facilitate changing values. Our user-friendly programming software lets you design each screen by simply selecting objects from a pull-down menu or from a row of object icons and dropping it onto the screen work area. All bitmap images are available in 256 colors and are easily re-configurable.



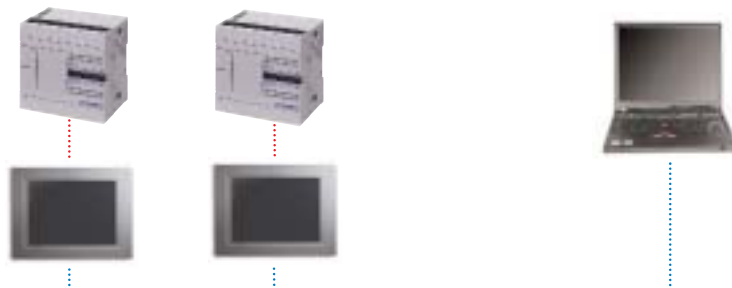
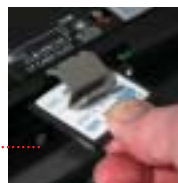
Recipe, Alarm and Trend Logging



The Recipe function allows you to conveniently set operational parameters, which can be individually defined for different processes. The Alarm function stores historical events with a date and time stamp. Trend Logging expresses data in graphical form according to the time period you define. Using these functions, you can quickly view production information and collect and manage valuable data.

Compact Flash Card

IDEC SmartTouch support Compact Flash (CF) Cards with up to 512 MB of memory. In addition to storing recipe, alarm and trending data, the CF Card can also store screen captures in a BMP format for documentation purposes. The CF Card can hold one or more projects and you can easily transfer a project directly to another touchscreen by simply inserting the card into the second touchscreen and downloading what you need.



Local Area Network

Smart design to keep you in control, and in communication.

Attention to detail in both function and form.



Black bezel models available upon request



Slim design for space savings

To meet your application needs, IDEC offers a 12.1" and 10.4" TFT LCD screen and 5.7" STN LCD screen which all come with 256 color or monochrome with 16 shades of gray to provide you with either multicolored or gray scale graphics. All screens have high pixel resolution and super bright LCD screens with 350 cd/m² for the 12.1" and 10.4" screen and 250 cd/m² for the 5.7" screen to provide sharp quality images. With RS-232 / RS-485 / RS-422 communication, all IDEC Touchscreens communicate with IDEC as well as other industry leading PLC manufacturers.

Their slim body style of: 50mm depth for the 5.7" HG2F, 49.6mm depth for the 10.4" HG3F, and 52.1mm depth for the 12.1" HG4F, provide a great advantage in space and cost saving in a panel.



O/I Link Communication



This link permits a single PLC to communicate with multiple I-DEC touchscreens, where one touchscreen serves as the master and up to 15 as slaves. An O/I Link will accommodate communications over a maximum distance of 200 meters. The O/I Link should be used whenever you are using more than one touchscreen in a location to monitor and control a single PLC.

1:N PLC Communication



This mode allows a single I-DEC touchscreen to communicate with multiple PLCs. It is used when you need only one centrally located touchscreen to monitor and control PLCs in different locations. Depending on PLC type, a maximum of 31 PLCs can be connected to one touchscreen. PLC manufacturers supported for 1:N communication are: I-DEC OpenNet Controller and MicroSmart, Automation Direct (Koyo): DirectLogic-DL205/405 and Modicon: Modbus RTU.

Pass Thru Function

This function lets you download a PLC program from a PC through the touchscreen without interrupting operations. Only one cable is needed to program both units. The Pass Thru communications function is applicable to the following PLCs: I-DEC Micro3, Micro3C, OpenNet Controller, MicroSmart and Mitsubishi MELSEC-FX, FX3UC and Q.

Support of Leading Manufacturer's PLCs

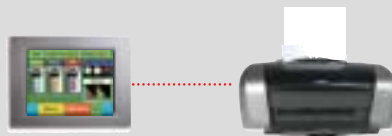
I-DEC Touchscreen's communications capabilities expand well beyond I-DEC brand PLCs. Other major PLC manufacturers supported are: Allen Bradley, Mitsubishi, Omron, Automation Direct (Koyo), Keyence, GE, Modicon, Siemens, Sharp, Hitachi, Schneider, Yaskawa, Fanuc, Matsushita Electric Works (Aromat) and Yokogawa.

Approvals and International Ratings

The I-DEC SmartTouch Family is UL listed for use in hazardous locations (Class I Div. 2). In addition the 5.7" screen is IP65 and Nema 13 rated, while the 10.4" and 12.1" screens are IP66, Nema 4, 4X, 13 rated so they can be used in the most demanding industrial applications.



Printer Function



You can use this capability to print alarm data so a hard-copy record of specific events can be maintained. Copies of screens can also be printed when needed for documentation. Serial printers supported on all I-DEC SmartTouch Screens. Parallel Printers supported on 10.4" and 12.1" Models only.

Barcode Reader Support



I-DEC Touchscreens provide a serial port that you can configure for use by special communication devices such as barcode readers. A barcode reader can send data directly to the touchscreen, where it can be used for quick viewing before being transferred to the PLC for further data manipulation.

Debugging Functions

Two modes are available for either monitoring data or troubleshooting. Once you download the project you created in WindO/I-NV2 to the touchscreen, you can use the Debugging Mode to communicate directly with the touchscreen and switch between screens or view and modify batch data from the controls of your PC. In Simulation Mode, you can use simple On/Off control without connecting to the PLC.

Easy programming: intuitive drag and drop functionality.

The WindO/I-NV2 software for all IDEC SmartTouch touchscreens is the programming tool that lets you create colorful graphical interfaces to visualize operating conditions. The software is very intuitive with drag and drop functionality. The Help menus are a great source of information and a built-in library of bitmaps provides over 5000 images to help expand your creativity. The software also includes a debug function where you can go online with the touchscreen for monitoring and changing data.

Flexible Screen Display for Efficient Editing

With WindO/I-NV2 software, screens can be easily arranged. A total of 3000 base screens can be created (as allowed by the memory size). Sub-screens known as pop-up menus can be resized, made (showing backgrounds) using the superimpose function, and can be made to appear anywhere around the base screen.

Easy to manage Projects and Screens

Screens and Project Settings List:

- Screens can be duplicated and their properties can be changed easily.
- Project settings can be edited.
- Devices, text, and images can be imported or exported.

Screen Preview List:

- Screens can easily be selected using the preview image function.

Object List:

- Each object displays its properties such as the type of device used, conditions, and operations.

Buttons:

- A button selected from an object list is shown on the editing screen.

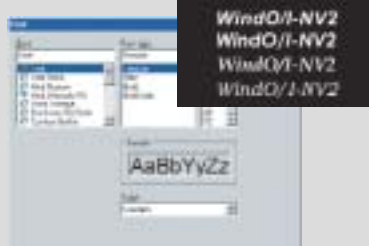


Monitor every plant function with colorful graphical interfaces.

Extensive Image Library



A built-in symbol library provides over 5000 symbols to help you create cutting-edge graphical screens. Image data from BMP, JPG, DXF, WMF, and ICO files can also be imported.



Compatible with Standard Windows Fonts

Fonts used in Windows can be used on the IDEC SmartTouch touchscreens, making it possible to choose from a variety of text styles.



Easy Programming of Operating Conditions

Operating conditions for objects such as switches, lamps, bit/word write, screen switching, and many more are easy to use. Step by step wizards guide the user through the set-up process.



Script Function

Users with basic programming knowledge in "C" can combine conditional statements, mathematical operations, and other functions to create simple and complex processes, greatly reducing the programming required in the PLC. A syntax check function is also available to provide easy program troubleshooting.



Multilingual Capabilities for Global Applications

The IDEC SmartTouch Touchscreen family can support other languages. With the text group function you can create a text database in different languages. Once the touchscreen is in a different country (e.g. China or Mexico) the customer can easily switch all text messages from English to Chinese or Spanish by a touch of a button.

Applicable languages:

Win2000 and XP make it possible to input Japanese, Simplified Chinese, Traditional Chinese, and Korean languages, Western European languages (English, German, French, Italian, Spanish, Dutch, Norwegian, Danish, Finnish, Swedish, etc.) Central European languages (Czech, Polish, Hungarian, Romanian, Croatian, Slovene, and Slavic), Baltic languages, Cyrillic languages (Russian, Ukrainian, Bulgarian, Macedonian).

Large, high-resolution screens make your operations look better than ever.

Colorful graphical interfaces for most applications.



IDEC SmartTouch Part Numbers



	PART NUMBERS	BEZEL COLOR	DESCRIPTION
12.1"	HG4F-JT22TFW	Light Gray	Color TFT LCD Touchscreen
	HG4F-JT22TFB	Black*	Color TFT LCD Touchscreen
	HG4F-JT22TFW-DH485-500	Light Gray	Color TFT LCD Touchscreen with DF1 / DH485 converter/cable package for SLC 500 (w/RJ45 connector)
10.4"	HG3F-FT22TFW	Light Gray	Color TFT LCD Touchscreen
	HG3F-FT22TFB	Black*	Color TFT LCD Touchscreen
	HG3F-FT22TFW-DH485-500	Light Gray	Color TFT LCD Touchscreen with DF1/DH485 converter/cable package for SLC 500 (w/RJ45 connector)
5.7"	HG2F-SS22VCF	Light Gray	Color STN LCD Touchscreen
	HG2F-SB22VCF	Light Gray	Monochrome STN LCD Touchscreen
	HG2F-SS22VCF-DH485-500	Light Gray	Color STN LCD Display with DF1 / DH485 converter/ cable package for SLC500 (w/RJ45 connector)
	HG2F-SB22VCF-DH485-500	Light Gray	Monochrome STN Color Display with DF1 / DH485 converter / cable package for SLC500 (w/RJ45 connector)
5.7" w/ CC Click	HG2F-SS52VCF	Light Gray	Color STN LCD Touchscreen w/ CC Click Tactile Touchbutton Technology
	HG2F-SB52VCF	Light Gray	Monochrome STN LCD Touchscreen w/ CC Click Tactile Touchbutton Technology

* Black Bezel Models available upon request. Please consult IDEC.

IDEC SmartTouch Displays



IDEC SmartTouch Functionality Table

	5.7"	5.7" w/ CC Click	10.4"	12.1"
LCD Display Type	STN	STN	TFT	TFT
256 Color Screen Models	Yes	Yes	Yes	Yes
Monochrome Models	Yes	Yes	–	–
Memory	2 MB	2 MB	8 MB*	8 MB*
Resolution (Pixels)	320x240	320x160**	640x480	800x600
Printer Support	Serial	Serial	Serial / Parallel	Serial / Parallel
RS-232 / RS-485 / RS-422	Yes	Yes	Yes	Yes
Compact Flash Slot	Yes	Yes	Yes	Yes
Ethernet	–	–	Yes	Yes
O/I Link	Yes	Yes	Yes	Yes
1:N PLC Communication	Yes	Yes	Yes	Yes
Digital I/O	Yes	Yes	Yes	Yes
Touch Regions	192	128	768	1200

*2Mb used for OS

**4 tactile pushregions (40X70 pixels)

IDEC Touchscreen Accessories

PART NUMBERS	ACCESSORIES	DESCRIPTION
Programming Tools	WindO/I-NV2 Programming software for all IDEC Touchscreen Series	HG9Y-ZSS2W
	Cable connecting PC to Touchscreen via RS-232 Serial Port	HG9Z-XCM1A
Converters	USB to RS-232 Converter for PCs without Serial Ports	FC4A-USB
	AB SLC500 (w/RJ45 connector) DF1 / DH485 Communication Package	HG9Z-GWDF1DH485-2
Protective Sheet	For 12.1" HG4F (2 pcs. / pack)	HG9Z-4DAPN02
	For 10.4" HG3F (2 pcs. / pack)	HG9Z-3DAPN02
	For 5.7" HG2F (5 pcs. / pack)	HG9Z-2D2
Mounting Clips	For 10.4" HG3F & 12.1" HG4F (10 pcs. / pack)	HG9Z-4K1PN10
	For 5.7" HG2F (4 pcs. / pack)	HG9Z-2K1PN04
Replacement Backlight	For 12.1" HG4F	HG9Z-4FB
	For 10.4" HG3F	HG9Z-3FB
	For 5.7" HG2F	HG9Z-2B1
O/I Link Unit	For 12.1" HG4F / 10.4" HG3F / 5.7" HG2F	HG9Z-2G1
32 Point Digital I/O	For 10.4" HG3F & 12.1" HG4F (16 Inputs & 16 Outputs)	HG9Z-3P102
	For 5.7" HG2F (16 Inputs & 16 Outputs)	HG9Z-2P101
Compact Flash Card	32MB CF Card for 5.7" HG2F, 10.4" HG3F, 12.1" HG4F	HG9Z-MF32
IDEC PLC Communication Cable	MicroSmart (FC4A) RS232	FC4A-KC2CA
	MicroSmart (FC4A) RS485 with mini DIN connection (-PC2/-HPC2)	HG9Z-3C115A
	MicroSmart (FC4A) RS485 with screw terminal connection (-PC3/-HPC3)	HG9Z-2C145A



Touchscreen Driver Table

Enjoy Touchscreen control even in limited space applications.

IDEC SmartTouch Communication Driver List [Short Form]

For Complete List of Cables and Driver Configurations, please go to www.idec.com/usa/smarttouch

MANUFACTURER	SERIES	APPLICABLE CPU	HOST INTERFACE DRIVER
IDEC	FA-3S	PF3S-CP12/CP13	FA-3S (CP12/13)
		PF3S-CP11/CP11T	FA-3S (CP11/11T), FA2J
	FA-2J	PF2J	
	Micro3	FC2A	MICRO3, MICRO3C
	Micro3C	FC2A-□C	
	OpenNet	FC3A	FC3A/FC4A
	MicroSmart	FC4A	
Allen Bradley	PLC-5	1785	PLC-5 (Half-Duplex)
	SLC-5/03, SLC-5/04 (SLC-5/05)	1747-L53, 1747-L54	MicroLogix/SLC500 (Full Duplex)
	MicroLogix 1000, 1200	1761, 1762	*DH485
Automation Direct (Koyo)	DL405	D4-430, D4-440	DirectLogic-DL205/405
	DL205 (05/06)	(D2-240 (D2-230/250/260)	
Siemens	S7-200	CPU 212, 214, 215, 216, 221, 222, 224, 226, 226XM	S7-200 (PPI)
	S7-300	CPU 313, 314, 315, 315-2DP, 316, 318	S7-300 3964(R)/RK512
	S7-400	CPU 412, 414, 416, 416F-2, 417	
Schneider (Telemecanique, Square D)	Twido	TWDLCAA16DRF, TWDLCAA24DRF (10, 20, 40 CPUs)	Modbus-RTU
	Momentum	171CC96020	MODBUS/TCP
Others	Others	Any PLCs that support MODBUS/TCP protocol	
Aromat	FP	FP0 FP1 FP Sigma FP10, FP10SH FP2, FP2SH	MEWNET
Omron	SYSMAC-C	CP1, CPM1A CPM2A C500, C500F, C1000H, C2000, C2000H C1000HF C200HS C200HE, C200HG, C200HX C120, C120F CQM1H, C200HS-CPU21/23/31/33 C200HE-CPU42, C200HG-CPU43/63, C200HX-CPU44/64	SYSMAC C Series
	CS1	CS1G, CS1H	SYSMAC CS1 Series
Keyence	KV Series	KV 10, 16, 24, 40, 80	KV/KZ
	KV-700	KV-700	KV-700
GE Fanuc	VersaMax Nano/Micro	10 I/Os, 14 I/Os 23 I/Os, 28 I/Os	Series 90 (SNP-X)
	Series 90-30	CPU 311, 313, 323, 331, 341, 350, 351, 352, 360, 363, 364, 374 CPU 331, 341, 350, 351, 352, 360, 363, 364, 374	

* DF1 to DH485 converter available, see page 10, accessories section.

Compact Touchscreen Display



HG1B - Cost effective graphical interface solutions

HG1B is a 4" size, monochrome LCD touchscreen suitable for small applications. Its compact size provides an advantage to save space and money. It has a fast response time (300 msec) which makes it easy for the user to view data quickly. The built-in library of images and graphics helps create a simple graphical interface. Moreover with expandable communications, it can communicate with IDEC PLCs and many major PLC manufacturers.

- 2 Models available:
RS-232 / RS-485 and RS-422
- 127 KB memory, configure up to 100 screens
- Program up to 32 alarm points with an internal buzzer
- Built-in graphic capabilities
- Screen password protection
- Communication drivers for most major PLC manufacturers
- CE marked, UL/c-UL Listed, IP65
- Programmable with WindO/I-NV2 software



HG1B Part Numbers

DESCRIPTION	COMMUNICATION TYPE	PART NUMBERS
4" Monochrome LCD Screen, 24VDC Power Required	RS-232 / RS-485	HG1B-SB22WF
4" Monochrome LCD Screen, 24VDC Power Required	RS-422	HG1B-SB22JF

Software

DESCRIPTION	SOFTWARE NAME	PART NUMBERS
Programming software for all Touchscreens PLC Drivers are included with the software: IDEC, Allen Bradley-DF1, Omron, Mitsubishi, Modicon, Aromat, Siemens, Koyo (Automation Direct), Keyence, Toshiba, and many more.	WindO/I-NV2	HG9Y-ZSS2W

Programming Cable

DESCRIPTION	PART NUMBERS
Programming cable for HG1B Series (PC to HG1B)	HG9Z-XCM1A or FC2A-KC4C

Cable Part Numbers: Connect between HG1B and PLC

MANUFACTURER	MODEL	COMMUNICATION TYPE	PART NUMBERS
Allen Bradley	SLC 503/504	RS-232	HG9Z-XC100
Allen Bradley	Micrologix series	RS-232	HG9Z-XC500
Aromat	FPO	RS-232	HG9Z-XC300
IDEC	FA series	RS-232	HG9Z-XC12A
	Micro 3	RS-232	HG9Z-XC11A Plus FC2A-KC2 (Both Required)
	Micro 3	RS-485	HG9Z-XC19A
	Micro 3C	RS-232	HG9Z-XC183
	MicroSmart (port 2 w/ FC4A-PC1)	RS-232	HG9Z-XC183
	MicroSmart (port 1 or port 2 w/ FC4A-PC1)	RS-232	FC4A-KC1CA
	OpenNet	RS-232	HG9Z-XC183
Automation Direct (Koyo)	DL240	RS-232	HG9Z-XC400
Mitsubishi	FX2N	RS-232	HG9Z-XC305

Character Displays

HG1X Software:

User-friendly WINDMSG software programs all text message displays. It has a drop down menus and icons for convenient function selection. Objects are easily configured using step by step navigation. PLC drivers are built into the software, which allows for extended communication with IEC and many other popular PLC manufacturers.



Software

DESCRIPTION	SOFTWARE NAME	PART NUMBER
Programming software for all HG1X Series PLC Drivers are included with the software:	WINDMSG	WINDMSG

Programming Cable

DESCRIPTION	PART NUMBER
Programming cable for HG1X Series (PC TO HG1X)	HG9Z-PC125A

Cable Part Numbers: Connect between HG1X-252 / 452 to PLC

MANUFACTURER	MODEL	COMMUNICATION TYPE	PART NUMBERS
ALLEN BRADLEY	Micrologix Series	RS-232	HG9Z-SCI007
AROMAT	FPO/FPM	RS-232	HG9Z-SCI015
IDEC	Micro 3	RS-232	HG9Z-SCI25A (built-in converter)
	Micro 3C	RS-232	HG9Z-SCI25B
	MicroSmart	RS-232	HG9Z-SCI25B
	OpenNet	RS-232	HG9Z-SCI25B
Automation Direct (KOYO)	DL 205 Series	RS-232	HG9Z-SCI023
MITSUBISHI	FX0	RS-232	HG9Z-SCI008 (built-in converter)
SIEMENS	S7-200	RS-232	HG9Z-SCI029

Cable Partnumbers: Connect between HG1X-222 / 422 / 822 and PLC

MANUFACTURER	MODEL	COMMUNICATION TYPE	PART NUMBERS
ALLEN BRADLEY	Micrologix series	RS-232	HG9Z-SCI100
	SLC 500 series	RS-232	HG9Z-SCI120
AROMAT	FPO/FPM	RS-232	HG9Z-SCI1500
IDEC	Micro 3	RS-485	HG9Z-SCI220
	Micro 3C	RS-232	HG9Z-SCI200
	MicroSmart	RS-232	HG9Z-SCI200
	OpenNet	RS-232	HG9Z-SCI200
Automation Direct (KOYO)	DL 205 Series	RS-232	HG9Z-SCI400
MITSUBISHI	FX0	RS-232	HG9Z-SCI600
SIEMENS	S7-200	RS-485	HG9Z-SCI300

*For Complete List of Cables and Driver Configurations, please go to www.idec.com/usa

IDEC Money-Saving Solution Package

For safety and efficiency, today's industrial machines require controls that are simple, versatile, and user-friendly. With IDEC graphical operator interfaces you also get the visual feedback and troubleshooting ability you can depend on. Now, save up to 50% on specially packaged IDEC components that combine everything you need to install a versatile graphical operator interface. The package includes an IDEC Touchscreen and drivers, friendly software for easy programming, a Slim-Line Power Supply and MicroSmart PLC or IDEC SmartRelay to solve your control problems. IDEC components in each package work together to give you a simple solution at a great price. For more information visit <http://smarttouch.idec.com>.



Support Information

IDEC SmartTouch Family:
www.idec.com/usa/smarttouch

Software demos and upgrades:
www.idec.com/software

Technical support:
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Smart Product. Simple Solutions.



Specifications and other descriptions in this catalog are subject to change without notice.

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