

HG

S E R I E S



idec



IDEC is a leader in human-machine interface (HMI) technology, and our touchscreens play a big part in creating the most efficient, convenient interaction between you and your equipment. We developed our first touchscreens in 1996 and have continued to increase and improve on the family ever since, adding more colors, touch regions, and built-in features.

Each touchscreen addresses a different need for today's applications. Choose from our three sleek, compact models: the HG1X for elementary operations, the HG1B for more control over larger jobs, and the HG2F for managing even the most complicated tasks. The standard features are tailored to the level of control, and include internal alarms, serial ports and bright LCD screens. The HG2F is also UL1604 listed, the first IDEC touchscreen approved for use in hazardous locations.

HG touchscreens work with all of IDEC's programmable logic controllers, and have drivers available to make them compatible with PLCs from other manufacturers. Each series also has a dedicated programming software package to suit the particular features of that interface.

The choice is yours. For more information about the HG Family of Operator Interfaces, visit us on the web at www.idec.com or call IDEC today.

**One
So ma**

IDEC brings con
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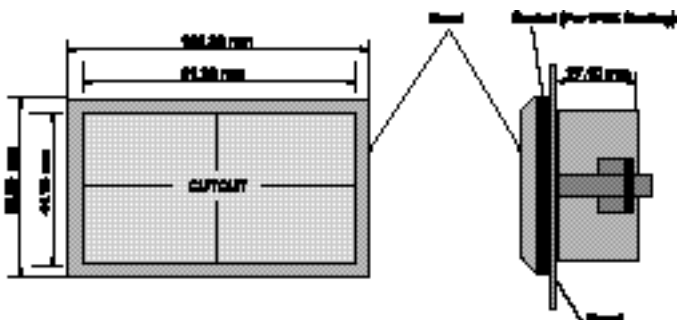
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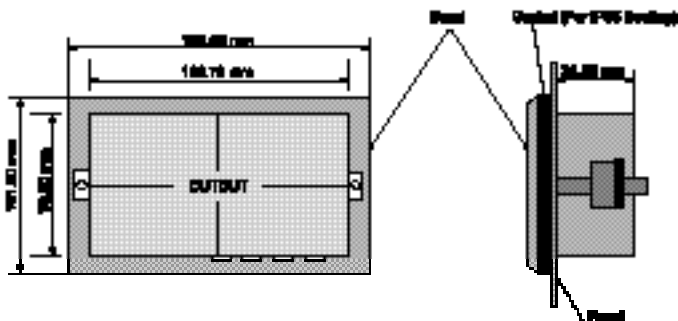
Less is more! Sometimes all you need is a simple text interface, so IDEC offers the HG1X Series of text message displays. Both models are highly flexible, compact units featuring bright, backlit LCD screens, ideal for interfacing with PLCs that lack integrated displays. The function keys are user-definable for coil operations, register operations, screen operations, or alarm operations. The HG1X Series is compatible with all IDEC PLCs, including the new MicroSmart series, as well as several other major manufacturers' controllers. HG1X displays do not require an external power supply, and also have a serial port for printing screens and alarms.

HG1X

- 2-line, 16 character or 4-line, 20-character display
- No external power supply required; unit draws power from PLC port
- Assign multiple actions to a single keystroke
- Assign actions to a combination of keys
- UL1604 approved for hazardous locations
- Keys have different functions depending on active screen
- *Programmable with Wind-MSG (see page 11)*



HG1X-252 - Dimensions/Panel Cutout



HG1X-452 - Dimensions/Panel Cutout

HG1X Specification

Type	Item
Standards	Safety standards
	EMC standards
Electrical	Rated voltage
	Voltage variation range
	Power consumption
	Inrush current
Environmental	Operating temperature
	Operating humidity
	Degree of protection
	Storage temperature
	Storage humidity
	Vibration resistance
	Shock resistance
Structural	Installation
	Exterior dimensions
	Panel cutout dimensions
	Weight

Part Number

HG9Z-SCI25A
HG9Z-SCI25B
HG9Z-PC125A

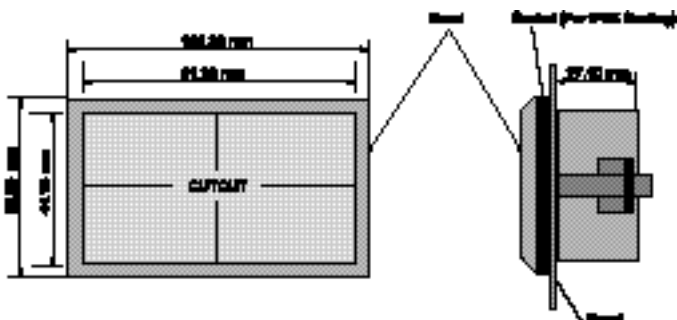
Part Number

HG1X-252
HG1X-452
WINDMSG

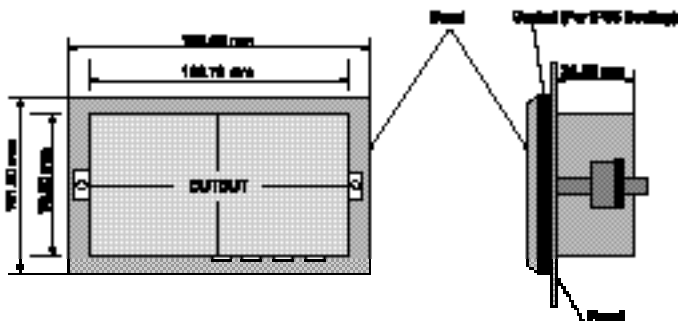
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HG1X-252 - Dimensions/Panel Cutout



HG1X-452 - Dimensions/Panel Cutout

HG1X Specification

Type	Item
Standards	Safety standards
	EMC standards
Electrical	Rated voltage
	Voltage variation range
	Power consumption
	Inrush current
Environmental	Operating temperature
	Operating humidity
	Degree of protection
	Storage temperature
	Storage humidity
	Vibration resistance
	Shock resistance
Structural	Installation
	Exterior dimensions
	Panel cutout dimensions
	Weight

Part Number

HG9Z-SCI25A
HG9Z-SCI25B
HG9Z-PC125A

Part Number

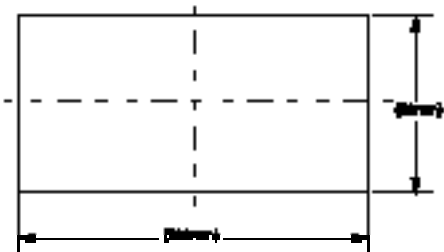
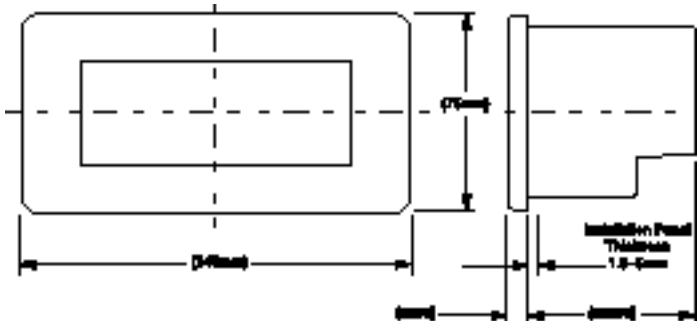
HG1X-252
HG1X-452
WINDMSG

Just Right. Good things come in small packages, like the HG1B operator interface. The full-touch monochrome LCD screen has 48 distinct touch regions with a response time of 300 msec. Not only does it have bitmap and graphic display capabilities or bar graph indicators, you can choose from a library of images and graphics to create the perfect screens. To help you communicate with operators, the HG1B has an internal buzzer, and the screen can be configured to flash at different rates depending on the severity of the alarm. The HG1B can link to PLCs or other machines through built-in RS232 or RS485 ports, and drivers are also available for non-IDEC PLCs.



HG1B

- Compact housing — 5.5" x 3" x 2.2"
- 127KB memory, configure up to 100 pages
- Audible internal buzzer
- Capable of handling up to 32 alarms
- Built-in communication ports (RS232 & RS485)
- Bar graph indicators
- Programmable with WindO/I-NV (see page 11)



HG1B Specification

Type	Item
Standards	Safety standards
	EMC standards
Electrical	Rated voltage
	Voltage variation range
	Power consumption
	Momentary power input
	Inrush current
	Dielectric strength
	Insulation resistance
Environmental	Operating temperature
	Operating humidity
	Degree of protection
	Storage temperature
	Storage humidity
	Vibration resistance
	Noise resistance
	Static electricity resistance
	Operating atmosphere
	Installation
Structural	Panel cutout dimensions
	Exterior dimensions
	Weight

Part Number

HG1B-SB22WF
HG1B-SB22JF
HG9Z-ZSS2WE

Part Number

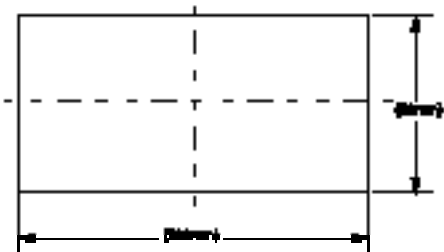
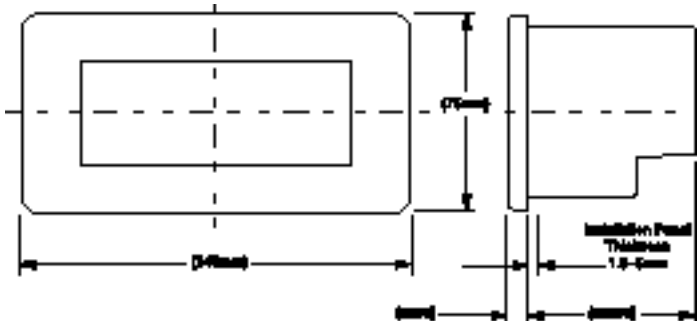
HG9Z-XCM1A or FC
HG9Z-XC12A
HG9Z-XC19A
HG9Z-XC11A or HG
HG9Z-XC183
HG9Z-XC100
FC4A-KC1C
HG9Z-XC300
HG9Z-XC400
HG9Z-XC500
HG9Z-GWDF1DH48
HG9Z-XC305

Just Right. Good things come in small packages, like the HG1B operator interface. The full-touch monochrome LCD screen has 48 distinct touch regions with a response time of 300 msec. Not only does it have bitmap and graphic display capabilities or bar graph indicators, you can choose from a library of images and graphics to create the perfect screens. To help you communicate with operators, the HG1B has an internal buzzer, and the screen can be configured to flash at different rates depending on the severity of the alarm. The HG1B can link to PLCs or other machines through built-in RS232 or RS485 ports, and drivers are also available for non-IDEC PLCs.



HG1B

- Compact housing — 5.5" x 3" x 2.2"
- 127KB memory, configure up to 100 pages
- Audible internal buzzer
- Capable of handling up to 32 alarms
- Built-in communication ports (RS232 & RS485)
- Bar graph indicators
- Programmable with WindO/I-NV (see page 11)



HG1B Specification

Type	Item
Standards	Safety standards
	EMC standards
Electrical	Rated voltage
	Voltage variation range
	Power consumption
	Momentary power input
	Inrush current
	Dielectric strength
	Insulation resistance
Environmental	Operating temperature
	Operating humidity
	Degree of protection
	Storage temperature
	Storage humidity
	Vibration resistance
	Noise resistance
	Static electricity resistance
	Operating atmosphere
	Installation
Structural	Panel cutout dimensions
	Exterior dimensions
	Weight

Part Number

HG1B-SB22WF
HG1B-SB22JF
HG9Z-ZSS2WE

Part Number

HG9Z-XCM1A or FC
HG9Z-XC12A
HG9Z-XC19A
HG9Z-XC11A or HG
HG9Z-XC183
HG9Z-XC100
FC4A-KC1C
HG9Z-XC300
HG9Z-XC400
HG9Z-XC500
HG9Z-GWDF1DH48
HG9Z-XC305

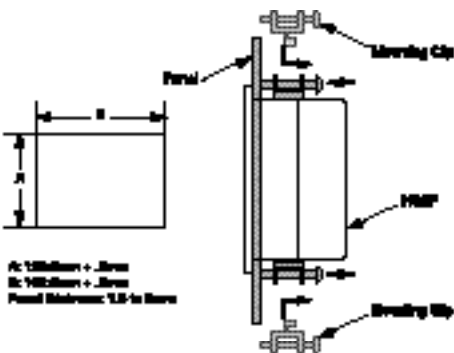
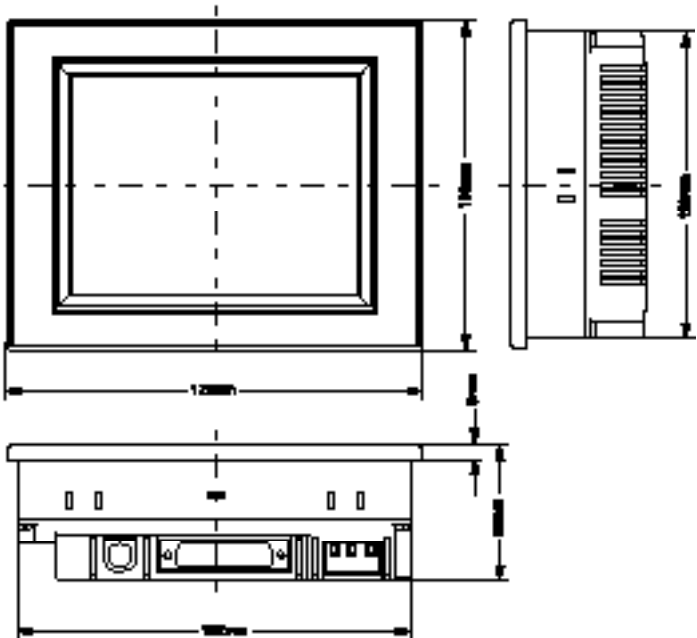
Faster. Brighter. Slimmer.

The HG2F is IDEC's latest and greatest operator interface, a full-color touchscreen with an amazing 192 touch regions and field-replaceable backlight. Complete user configuration is easy using our new Wind-O/I-NV2 software and the internal library of bitmap images. There are four available models, with a monochrome or 256-color screen, each compact and lightweight with the same great features. The HG2F models are also available with IDEC's patented CC CLICK™ technology, providing unique tactile feedback (for more about CC CLICK™, see page 10).



HG2F

- UL1604 for hazardous locations
- 2 megabytes of memory
- Dynamic text messaging
- Built-in RS232 and RS485 ports
- Alarm logging capability
- Drivers for non-IDEC PLCs (Allen Bradley-DF1, Omron and Mitsubishi)
- Programmable with Wind-O/I-NV2 (see page 11)



HG2F Specifications

Type	Item
Standards	Safety standards
	EMC standards
Electrical	Rated voltage
	Voltage variation range
	Power consumption
	Momentary power int
	Inrush current
	Dielectric strength
	Insulation resistance
Environmental	Operating temperature
	Operating humidity range
	Storage temperature
	Storage humidity
	Degree of protection
	Altitude
	Vibration resistance
	Shock resistance
	Pollution degree
	Terminal
Structural	Panel cutout dimension
	Exterior dimensions (V
	Weight

Part Number

HG2F-SS22VF
HG2F-SB22VF
HG2F-SS52VF
HG2F-SB52VF
HG9Y-ZSS2W2E

Part Number

HG9Z-3C115A*
HG9Z-3C125A*
HG9Z-2C145A*
HG9Z-3C135A*
HG9Z-3C145A*
HG9Z-3C155A*
HG9Z-2C125A*
HG9Z-2C135A*
HG9Z-XCM1A

Part Number

HG9Z-2D2
HG9Z-2K1P
HG9Z-2B1
HG9Z-2G1
HG9Z-2P101

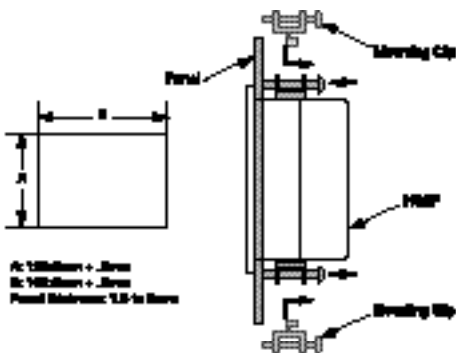
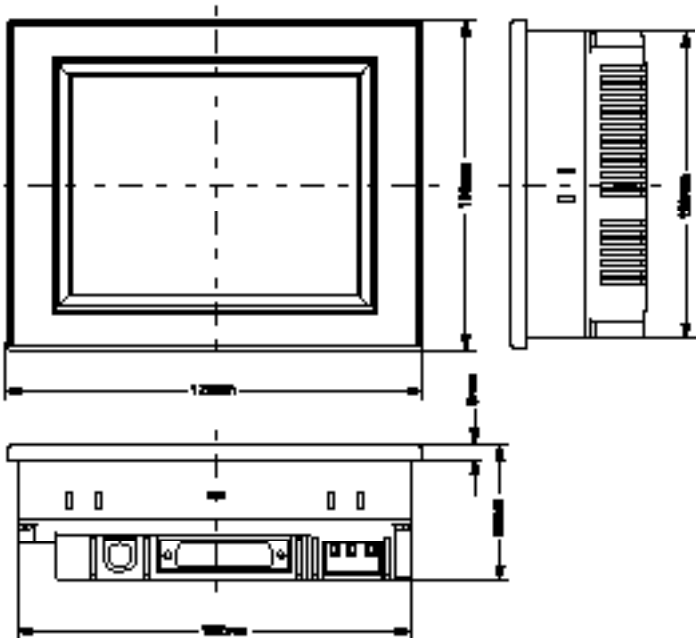
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Standards	Safety standards
	EMC standards
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	Voltage variation range
	Power consumption
	Momentary power inrush
	Inrush current
	Dielectric strength
	Insulation resistance
Environmental	Operating temperature
	Operating humidity range
	Storage temperature
	Storage humidity
	Degree of protection
	Altitude
	Vibration resistance
	Shock resistance
	Pollution degree
	Terminal
Structural	Panel cutout dimensions
	Exterior dimensions (V)
	Weight

Part Number

HG2F-SS22VF
HG2F-SB22VF
HG2F-SS52VF
HG2F-SB52VF
HG9Y-ZSS2W2E

Part Number

HG9Z-3C115A*
HG9Z-3C125A*
HG9Z-2C145A*
HG9Z-3C135A*
HG9Z-3C145A*
HG9Z-3C155A*
HG9Z-2C125A*
HG9Z-2C135A*
HG9Z-XCM1A

Part Number

HG9Z-2D2
HG9Z-2K1P
HG9Z-2B1
HG9Z-2G1
HG9Z-2P101



Positive Feedback

The problem with touchscreens has always been the lack of feedback, and the uncertainty of the delineated touch regions. Gloved operators in particular can have trouble with touchscreens, but simpler interface screens with buttons don't always fulfill the application requirements. When you want the flexibility of a touchscreen with the assurance of a pushbutton, then you need the HG2F with CC CLICK™ technology, developed and patented by IDEC Corporation.

CC Click™

With CC CLICK™, a plastic overlay with four distinct buttons covers the bottom of the screen. These buttons provide the tactile and audio feedback you can't get with other touchscreens without sacrificing the programming flexibility of the HG2F. Use WindO/I-NV2 to configure the buttons to match your most frequently needed tasks, such as acknowledging alarms, starting or stopping operations, or checking status. Each button can have different functions depending on the active screen.

CC CLICK™ is available only with the HG2F operator interfaces, in either 256-color or monochrome. See pages 8 and 9 for more information about the HG2F series; see page 11 for information about WindO/I-NV2 programming software.

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