MAGELiS™ XBT-F Operator Terminals

MAGELiS XBT-F features also include:

- application and firmware storage on PCMCIA memory card

- screens:
    back-lit grayscale LCD 5.7" or 9.5"
    color resistive matrix STN,
    5.7", 10.4" TFT

- multiple static and dynamic keys on keypad units

- serial link communication/Protocols for various types of PLCs

- easy configuration and operation providing three levels of password security

- compact design, spring mounting clips for fast installation

- customizable front panel design

- optional field bus communication for high speed networking

- wide variety of animated objects, alphanumeric variables, bargraphs, gauges, enumerated lists, and imported bitmaps

- custom help pages can be created using text, graphics, or dynamic objects

- alarm acknowledgement that can be prioritized, with ability to assign color attributes

- terminal simulation in software for verifying application programs with PC prior to PLC/terminal installation

- over 300 application, alarm, help, and recipe pages

- UL listed, CSA certified and with CE marking

- worldwide availability and fast delivery

Display, Modify, Control Your Application

MAGELiS XBT-F graphic units are an excellent match for your PLC, providing optimal functionality in a graphical operator terminal.

Combining up-to-date features with simple set-up and ease of use design techniques, the XBT-F will communicate with automation products from a variety of manufacturers. The MAGELiS display offers a compact economical solution in allowing data access and operator input meeting requirements for various applications.

MAGELiS display units connect directly to a PLC reducing programming within the PLC. A variety of PLC protocols are available and can be downloaded from your PC to the MAGELiS unit.

The Windows™-based configuration software allows you to easily create and modify messages and alarms. Alarms can be prioritized and assigned a large selection of colors. Printouts can include a time and date stamp.

Monochrome and color screens are available with a resolution of 320x240 or 640x480 pixels. Graphic terminals are available with static and dynamic keys, while the touch screens are resistive matrix tactile feedback. The XBT-F can provide animated objects, alphanumeric variables, bar graphs, gauges, enumerated lists, and a wide selection of imported bitmaps.

Designed to go wherever a push button or graphic display is needed, the XBT-F displays are rugged and dependable, providing an economical, multifunctional, and compact matrix interface.
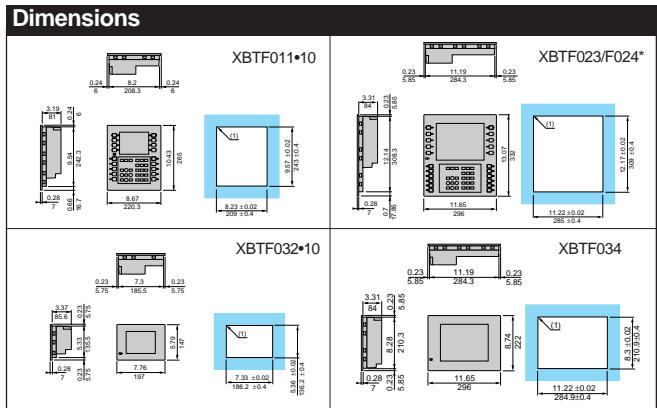
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Specifications

Environment

Temperature
Operating	32°F to 113°F (0°C to 45°C)
Storage	-4°F to 140°F (-20°C to 60°C)

Degree of Protection
Front Panel	IP 65, conforming to IEC 529, NEMA 4
Rear Panel	IP 20, conforming to IEC 529

Conforming to Standards
IEC 1132-2, IEC 801-2 level 3, IEC 801-3 and IEC 801-4 level 3 IEC 68-2-6, IEC 68-2-27 UL 508, CSA

Mechanical Specifications

Mounting
Flush-mounted, by pressuretype fasteners (supplied) on .04 to .24 in (1.6 to 6 mm) thick panel

Enclosure
Polyphenylene oxide 10% glass fiber impregnated (PPO GFN1 SE1)

Front Panel
Hardened polyester anti-UV treated (Autoflex EB AG)

Weight
5.7", 3.5 lbs (1.6 kg)
10.4", 5.3 lbs (2.4 kg)
5.7", 4 lbs (1.8 kg) ⎫ Keypad only
10.4", 6 lbs (2.78 kg) ⎭

Electrical Specifications

Display

5.7" monochrome, back-lit with 16 levels of grey (keypad)	5.7" STN 256 colors, back-lit with resistive matrix tactile feedback (touch screen)	XBTF023: 9.5" monochrome, back-lit with 16 levels of grey XBTF024:10.4" TFT 256 colors	10.4 : TFT 256 colors with resistive matrix tactile feedback

Power Supply
Voltage	24 VDC
Voltage Limits	18-30 V
Ripple	5% maximum

Consumption 35 W

Operating Characteristics

Keypad type communications	XBT-F011	XBT-F023/F024
Soft Keys	8 (with LED)	10 (with LED)
Static Keys	10 (with LED and re-usable labels)	12 (with LED and re-usable labels)
Service Keys	12	12
Alphanumeric Keys	12 + 3 for alphabetical access	12 + 3 for alphabetical access

Memory
RAM	2.5 MB
Application Pages	400 approximately
Alarm Pages	400 approximately
Application Memory	4, 8, 10 MB

Transmission Medium
Asynchronous serial link RS232/RS485/RS422

Real-Time Clock
Access to programmable controller real-time clock

Printer Port
Asynchronous serial link RS232

Power Supply Connection
5-pin plug-in terminal block

Data Connection
Serial Port	SUB-D 25-pin female connector
Printer Port	SUB-D 9-pin male connector

Configuration Software
Windows™- compatible program XBT-L100_U (sold separately)

Downloadable Protocols
Popular communication protocols available (sold separately)

Dimensions

* (1) r=0.14 in. (35mm), maximum; 0.08 in (2mm), minimum

Product Selection

Terminals with graphic screen XBT-F

	Static Func.	Dyn Func.	Serv.	Alpha Num	Option	Size of screen	Type of screen	Power supply === V	Part #
	Number of keys								
XBT-F Keypad	10	8	12	15	no	5.7"	monochrome	24	XBT-F011110
	10	8	12	15	PCMCIA TIII	5.7"	monochrome	24	XBT-F011310
	12	10	12	15	no	9.5"	monochrome	24	XBT-F023110
	12	10	12	15	PCMCIA TIII	9.5"	monochrome	24	XBT-F023310
	12	10	12	15	no	10.4"	color	24	XBT-F024110
	12	10	12	15	PCMCIA TIII	10.4"	color	24	XBT-F024310
XBT-F Touch					no	5.7"	color	24	XBT-F032110
					PCMCIA TIII	5.7"	color	24	XBT-F032310
					no	10.4"	color	24	XBT-F034110
					PCMCIA TIII	10.4"	color	24	XBT-F034310

Bulletin No. 9001HO9902

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