MAGELiS™ XBT-HM Message Displays

**MAGELiS XBT-HM features also include:**

- 4 line by 20 character or 8 line by 40 character display
- High visibility fluorescent or cost-effective LCD technology
- Keypad versions available with or without data entry keys and up to 4 function keys
- LEDs on function keys to guide and prompt operator
- Customizable front panel design
- FLASH-EEPROM capability for remote loading of application programs and protocols
- Approximately 600 application pages
- 256 possible alarm pages
- Terminal simulation tool in software for verifying application programs with PC prior to PLC/terminal installation
- 3 message languages and 5 system languages resident for international users
- UL listed, CSA certified and with CE marking
- Conformance to European Health and Safety Directive (89/655/EEC)
- Worldwide availability and fast delivery
- Import bit maps
- Library of objects

**Compact, Easy-to-Use, Low-Cost Solutions**

MAGELiS XBT-HM message displays are an excellent match for your PLC, providing optimal functionality in a matrix level product.

Combining up-to-date features with simple set-up and ease of use design techniques, the XBT-HM will communicate with automation products from a variety of manufacturers. The MAGELiS display offers a compact and 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. An historic alarm event feature enables you to retrieve alarms in the order recorded for display viewing or printing.

Fluorescent and LCD screens are available with a resolution of 240x60 pixels. Message display is available without keys, with 5 service keys, or with 4 function keys and LEDs. The XBT-HM can provide animated objects, alphanumerics, bar graphs, gauges, enumerated lists, and imported bitmaps.

Designed to go wherever a push button or graphic display is needed, the XBT-HM displays are rugged and dependable, providing an economical, multifunctional, and compact matrix interface.
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
- UL Type 4, NEMA Type 4 and IP 65
- Conforming to UL 508 and IEC 529

Electromagnetic Disturbance
- Conforming to IEC 1132-2/EN 61131-2

Mechanical Specifications

Mounting
- Flush-mounted, by 4 or 6 pressure-type 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
- 1.3 lbs/0.6 kg

Electrical Specifications

Display
- LCD monochrome matrix backlit (240x64 pixels)
- height 5.3 or 10.6 mm

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

Consumption
- 15 W

Operating Characteristics

Signaling LEDs
- Communication: 1
- Key Actuation: 1
- Function Keys: 4 optional
- Service Keys: 2 optional

Memory
- Flash EEPROM: 384 kb
- Application Pages: 600 approximately
- Alarm Pages: 256

Transmission Medium
- Asynchronous serial link
  - RS232/RS485/RS422

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

Printer Port
- Asynchronous serial link RS232

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

Product Selection

XBT-HM Matrix Screen Terminals

<table>
<thead>
<tr>
<th># of lines</th>
<th># of characters</th>
<th>Type of display</th>
<th>Power supply V</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 X 40</td>
<td>LCD Backlit</td>
<td>24</td>
<td></td>
<td></td>
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