

Compact and matrix terminals

## Magelis XBT N, XBT R

A clear display of

*simplicity* and *compactness*



## Simply Smart !

Leveraging  
ingenuity  
and intelligence  
for ease of use

# Magelis XBT, the small display units with great abilities

Display text messages, perform diagnostics, control and adjust your control system devices ... the new Magelis XBT R will enhance the Magelis XBT N range, bringing you greater **convenience** and **ease** of use, with a substantially **reduced size**.

The Magelis XBT compact range now includes 7 terminals with 8 or 20 keys, to meet your operator interface requirements as closely as possible.

You will choose it  
for its ability...

... to communicate easily

### High-visibility display

- Display units with 2 lines of 20 characters or matrix screens with 1 to 4 lines of 5 to 20 characters.
  - Large-size characters (17 mm height), up to 1 line of 5 characters.
  - 3-color back lighting (green, orange or red), for better alarm indication.
  - Looped text scrolling.

### Open to international applications

- Multiple languages handled, including ASCII, Cyrillic, Greek, Katakana and Chinese characters.
- 128 customizable characters.
- Text import/export for translation.
- Number of languages for your application limited only by the memory of your Magelis XBT

### User interface

- Easy navigation between messages, with the possibility of shortcuts.
- 2 contextual command keys.
- 6 service keys (4 of which can be reconfigured as function keys for Magelis XBT N).
- 12 function or numeric input keys (Magelis XBT R only).
- 3 passwords.



# Magelis XBT N and XBT R



## Easy...

to assemble and wire,  
to integrate,  
to configure!

## ...to adapt to your machine

### A la carte customization

■ The perfectly smooth front panel of the compact Magelis XBT display unit can be color-coordinated with the machine by means of a customized sheet.

## ...to meet the strictest specifications

### Flush-mounting possible

■ An installation accessory enables the Magelis XBT/N display unit to be flush-mounted on its support, in order to meet the requirements of food processing applications in particular.

Well-suited to the needs of manufacturers of simple machines, the Magelis XBT compact enhances the design of your machine, provides ease of use for operators, and overcomes the problems associated with difficult environments.



## Simplify your life

Enjoy the advantages of a complete automation solution for simple, compact machines by combining Magelis XBT compact terminals with other Telemecanique components.

### Twido, its ideal companion

- Totally compatible operation with the Twido controller. Tailor-made for small control systems.
- No power supply required for use with Twido. 5V DC power supply provided via the PLC serial link.
- Software integration with TwidoSoft. Direct access to the list of variables configured in TwidoSoft.

### Compatibility with the installed machine base

- Modbus (master or slave) or Uni-Telway communication for Modicon TSX Micro, Premium, Momentum and Quantum control systems, TeSys motor starters and Altivar drives, Advantys STB distributed I/Os, and Zelio controllers.

## You will love its simplicity

It is designed to help you save  
time setting up.

### Easy to configure

- Only one software program for the entire Magelis XBT compact range: XBT L1000.
- Easy to learn and no training required: startup wizard, standard applications, PC simulation.
- Function keys which can be customized with re-usable labels.

### Easy to integrate

- Minimum size for easier installation on compact machines.
- Easy to mount on the machine frame: no enclosure required.

### Easy to assemble and wire

- Simple connection of the serial link cable.
- Tool-free fixing, via 2 or 4 spring clips.



# Selection guide



## > Magelis compact text displays

### Alphanumeric text



### Matrix screen text

Display	
Type	Back-lit LCD Character mode
Color	Green
Capacity	2 lines of 20 characters
Screen active area	74 x 12 mm
Characters dimensions	5,55 x 3,2 mm

Input	
Keyboard	8 keys , whose 4 customizable
Signaling	No led

Function	
Number of pages (maximum)	128 application pages
Variables per page	8
Vertical scrolling in the page	no
Number of lines per page	2
Representation of the variables	Decimal, binary, hexadecimal values & numbered lists
Fonts	Latin + Katakana
Languages	Number of languages only limited by the memory capacity
Alarm log	no

Communication	
Serial link	RS 232 C , RS 485
Protocols	Modbus master, Uni-TE (Point to point)
Printer link	no

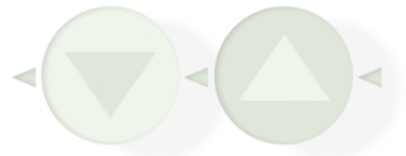
Configuration software	
References	XBT L1001M , XBT L1003M (under Windows 98, 2000 & XP)

References	
XBT N200	XBT N400
XBT N410 & XBT NU400 *	XBT N401

\*XBT NU400 : protocol Modbus master only & application preloaded in factory to monitor, diagnostic, adjust 1 to 8 Motor Starters Tesys Model U

Accessoires	
Flush mounting Kit	Protection sheets
References	XBT ZN01
	XBT ZN02
	XBT Z9780 (RJ45 type)
	XBT Z9680 (SUB-D25 type)
	XBT Z945 (RJ45 type)
	XBT Z915 (SUB-D25 type)

\*\* For PC with USB port, use interface 5R2CBL06 Inlkd to download cable XBT Z\*\*\*



## > Magelis compact text operator panels

### Matrix screen text



Display	
Type	Black-lit LCD 122 x 32 pixels
Color	Green
Capacity	1 to 4 lines of 5 to 20 characters
Screen active area	74 x 20 mm
Characters dimensions	4,34 x 2,95 up to 17,36 x 11,8 mm

Input	
Keyboard	20 keys, whose 12 customizable & numeric input
Signaling	None
	16 leds whose 14 for central keys

Function	
Number of pages (maximum)	200 applications pages 256 alarm pages
Variables per page	40
Vertical scrolling in the page	yes
Number of lines per page	25
Representation of the variables	Decimal, binary, hexadecimal values & numbered lists
Fonts	Latin + Cyrillic + Greek + Katakana + Chinese
Languages	Number of languages only limited by the memory capacity
Alarm log	yes

Communication	
Serial link	RS 232 C , RS 485
Protocols	Modbus master, Uni-TE (Point to point)
Printer link	no

Configuration software	
References	XBT L1001M , XBT L1003M (under Windows 98, 2000 & XP)

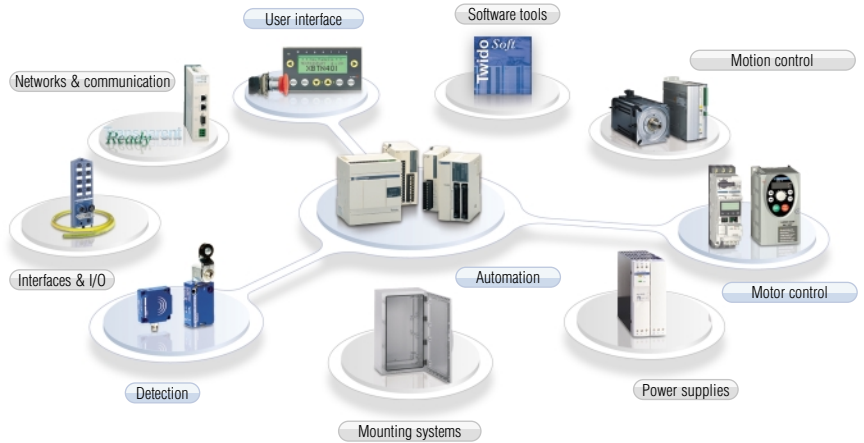
References	
XBT R400	XBT R410
	XBT R411

Accessoires	
Flush mounting Kit	Protection sheets
References	XBT ZR01
	XBT ZR02
	XBT Z9780 (RJ45 type)
	XBT Z9680 (SUB-D25 type)
	XBT Z945 (RJ45 type)
	XBT Z915 (SUB-D25 type)

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# Effective brand solutions from Telemecanique

When used together, Telemecanique products provide quality solutions capable of meeting the requirements of all your **Automation** and **Control** systems applications.



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*Simply Smart!*