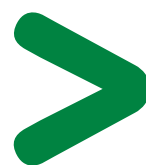


# Seamless adaptation to your environment

Magelis XBT R, XBT N  
Small Panel with matrix screen



# Integrating into your machine

The Magelis XBT Small Panel range is designed to help save you time by satisfying even your most strictest environmental specifications.



## Easy to assemble and wire

- > Simple serial link cable connection
- > Easy to mount on the machine frame - no enclosure required
- > Tool-free fixing using 2 or 4 spring clips
- > Ideally suited to the needs of manufacturers of simple machines, Magelis XBT Small Panel enhance the design of your machine and provide a user-friendly tool for operators.



## Easy to integrate

- > Compact dimensions for ease of installation on small machines
- > Perfectly smooth, the Magelis XBT Small Panel's front panel can be color-coordinated to match your machine by applying a customizable film sheet.
- > Customizable function keys with re-usable labels
- > Accessory for flush-mounting Magelis XBT R/N Small Panel on their support - meets the requirements for Food & Beverage applications in particular.



## Easy to configure

- > A single software package for the entire Magelis XBT Small Panel range - Vijeo Designer Lite
- > Easy to learn, no training required: startup wizard, standard applications, PC simulation.



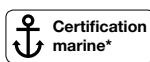
## Compliant with international standards and regulations



C-Tick



Category 3



\* Refer to catalog

# Integrating into your installation

Enjoy the benefits of a complete automation solution for simple and compact machines by combining Magelis XBT Small Panel with other Schneider Electric components.

## Twido - a perfect partner

- > Fully compatible with Twido, the tailor-made, small automation system controller
- > No power supply required for use with Twido
- > 5 VDC power supply available via the PLC serial link
- > Software integration with TwidoSoft
- > Direct access to the list of configured variables in TwidoSoft.

## Compatibility with the installed machine base

Modbus (master or slave) or Uni-Telway communication for:

- > Modicon TSX Micro, Premium, Momentum and Quantum PLCs
- > TeSys motor starters and Altivar variable speed drives
- > Advantys STB distributed I/O
- > Zelio controllers.



# Magelis XBT R, XBT N

## A wide choice of small display units

Whether displaying text messages, performing diagnostics, or controlling and adjusting your control system equipment, the Magelis XBT Small Panel range has been enhanced to feature new screens with ultra-bright backlighting LEDs, offering even greater ease of use from a highly compact unit.

The Magelis XBT Small Panel range comprises 7 terminals with between 8 and 20 keys designed to meet your exact HMI requirements.

## Characteristics tailored to your requirements

### High-visibility display

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

### Open to international applications

- > Handling of multiple languages, including ASCII characters, Cyrillic, Greek, Japanese and Chinese
- > 128 customizable characters
- > Text import/export for translation
- > Number of languages for your application limited only by the memory capacity of your Magelis XBT.

### Ergonomic design

- > Easy navigation between messages with the option to create 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.

### Backlighting

The backlighting incorporates the latest advancements in LED technology to provide a significant improvement in the quality of the LEDs, resulting in a brighter backlight for optimum user comfort.



# Selection guide



## Magelis Small Panel

with alphanumeric screen



## Magelis Small Panel

with matrix screen



### Display

<b>Type</b>	Backlit LCD Character mode	Backlit LCD 122 x 32 pixels	
<b>Color</b>		Green	Green + red + orange
<b>Capacity</b>	2 lines of 20 characters	1 to 4 lines of 5 to 20 characters	
<b>Active screen area</b>	74 x 12 mm	74 x 20 mm	
<b>Character size</b>	5.55 x 3.2 mm	4.34 x 2.95 to 17.36 x 11.8 mm	

### Data entry

<b>Keypad</b>	8 keys, 4 of which can be re-labeled	
<b>Signaling</b>	-	6 LEDs, including 4 for the 4 central keys

### Functions

<b>Number of pages (maximum)</b>	128 application pages	200 application pages, 256 alarm pages
<b>Variables per page</b>	8	40
<b>Vertical page scrolling</b>	No	Yes
<b>Number of lines per page</b>	2	25
<b>Representation of variables</b>	Decimal/binary/hexadecimal/enumerated list values	
<b>Fonts</b>	Latin + Katakana	Latin + Cyrillic + Greek + Katakana + Chinese
<b>Languages</b>	Number limited only by the memory capacity	
<b>Alarm log</b>	No	Yes

### Communication

<b>Serial link</b>	RS 232 C, RS 485		
<b>Protocols</b>	Modbus master (point-to-point)	Modbus master/slave, UNI-TE (multipoint) Siemens PPI, OMRON Sysmacway, Mitsubishi FX, Rockwell DF1, DH485	
<b>Printer link</b>	No	Yes	
<b>Power supply</b>	5 VDC		24 VDC
<b>Part numbers</b>	<b>XBT N200</b>	<b>XBT N400</b>	<b>XBT N410 and XBT NU400*</b> <b>XBT N401</b>

\*XBT NU400: Modbus master protocol only and factory-loaded application for monitoring, diagnostics and adjustment of 1 to 8 TeSys model U motor starters

<b>Mounting</b>	Fixed in place using 2 or 4 spring clips				
<b>Accessories</b>		Flush-mounting accessory	Protective sheets	Twido connection cable	M340 connection cable
<b>Part numbers</b>	<b>XBT Z3002</b>	<b>XBT ZN01</b>	<b>XBT ZN02</b>	<b>XBT Z9780 (RJ45 type)</b> <b>XBT Z9680 (SUB-D25 type)</b>	<b>XBT Z9980 (RJ45 type)</b> <b>XBT Z938 (SUB-D25 type)</b>



## Magelis Small Control Panel

with matrix screen



### Display

Type	Backlit LCD 122 x 32 pixels	
Color	Green	Green + red + orange
Capacity	1 to 4 lines of 5 to 20 characters	
Active screen area	74 x 20 mm	
Character size	4.34 x 2.95 to 17.36 x 11.8 mm	

### Data entry

Keypad	20 keys, 12 of which can be re-labeled and can be for numeric input	
Signaling	-	16 LEDs, including 14 for the central keys

### Functions

Number of pages (maximum)	200 application pages, 256 alarm pages	
Variables per page	40	
Vertical page scrolling	Yes	
Number of lines per page	25	
Representation of variables	Decimal/binary/hexadecimal/enumerated list values	
Fonts	Latin + Cyrillic + Greek + Katakana + Chinese	
Languages	Number limited only by the memory capacity	
Alarm log	Yes	

### Communication

Serial link	RS 232 C, RS 485		
Protocols	Modbus master, Uni-TE (point-to-point)	Modbus master/slave*, UNI-TE (multipoint) Siemens PPI, OMRON Sysmacway, Mitsubishi FX, Rockwell DF1, DH485	
Printer link	No	Yes	
Power supply	5 VDC	24 VDC	
Part numbers	<b>XBT R400</b>	<b>XBT R410</b>	<b>XBT R411</b>

\* For XBT R411 only

Mounting	Fixed in place using 2 or 4 spring clips				
Accessories		Flush-mounting accessory	Protective sheets	Twido connection cable	M340 connection cable
Part numbers	<b>XBT Z3002</b>	<b>XBT ZR01</b>	<b>XBT ZR02</b>	<b>XBT Z9780</b> (RJ45 type) <b>XBT Z9680</b> (SUB-D25 type)	<b>XBT Z9980</b> (RJ45 type) <b>XBT Z938</b> (SUB-D25 type)



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