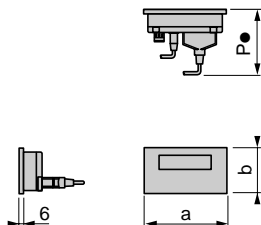
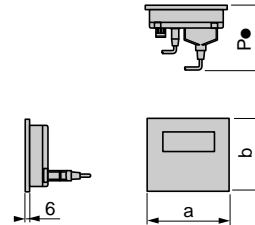


### Dimensions

#### XBT N



#### XBT R



	a	a1 (1)	b	b1 (1)	P1 (2)	P2 (3)	P3 (4)	P4 (5)
<b>XBT N200/N400</b>	132	–	74	104	78	–	–	–
<b>XBT N401/N410</b>	132	–	74	104	–	–	58	104
<b>XBT NU400</b>	132	–	74	104	–	104	–	–
<b>XBT R400</b>	137	160	118	146	78	–	–	–
<b>XBT R410/R411</b>	137	160	118	146	–	–	58	104

(1) With 2 fixing clips (included with product).

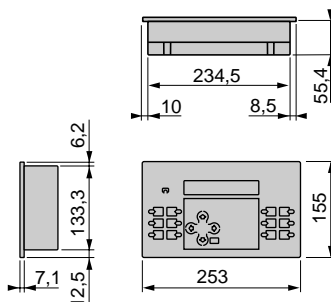
(2) P1 : depth with RJ45 cable, **XBT Z9780** (for Twido, TSX Micro and Premium).

(3) P2 : depth with 25-way SUB-D cable, **XBT Z938** (for TeSys model U and ATV 61/71 variable speed drives).

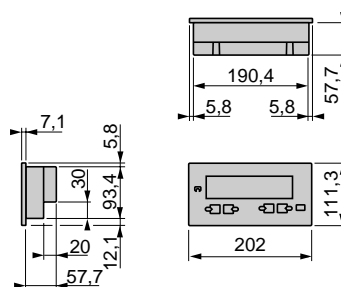
(4) P3 : depth with 25-way SUB-D elbow cable, **XBT Z9680** (for Twido, TSX Micro and Premium) or **XBT Z998** (for Advantys STB).

(5) P4 : depth with 25-way SUB-D cable, **XBT Z68/Z9681** (for Twido, TSX Micro and Premium).

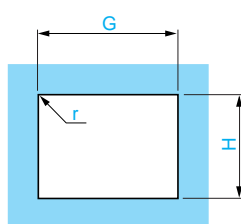
#### XBT PM



#### XBT HM



### Mounting

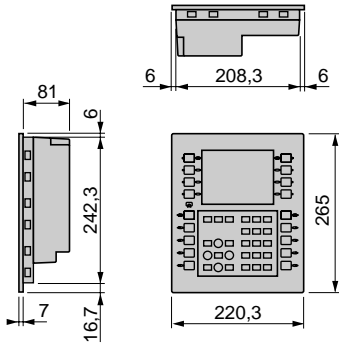


panel thickness: 1.5...6 mm

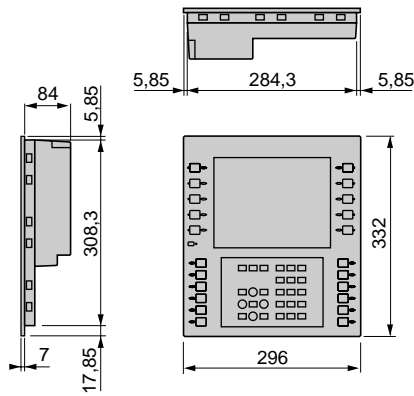
Display units and terminals	Cut-out for flush mounting		
	H (± 0.4 mm)	G (± 0.5 mm)	r
<b>XBT N</b>	63	119.4	1.5 maxi
<b>XBT R</b>	105.2	119.6	1.5 maxi
<b>XBT PM</b>	134	235	2 <r< 3.5
<b>XBT HM</b>	99.2	190.9	2 <r< 3.5

### Dimensions

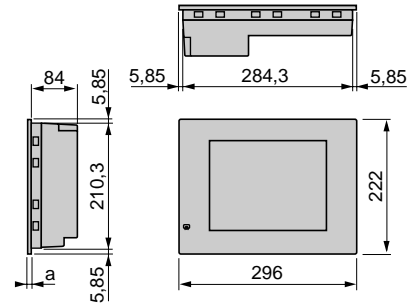
#### XBT F011●10



#### XBT F023/024

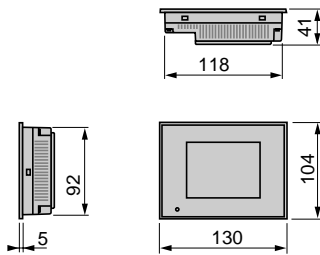


#### XBT F034/FC0●4

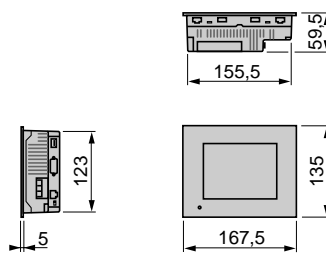


	a
XBT F034	7
XBT FC0●4	11

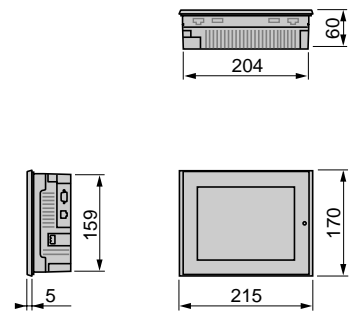
#### XBT GT1100/GT1130



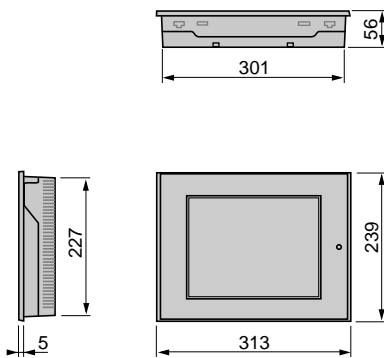
#### XBT GT2110 XBT GT2120/GT2130/GT2220/GT2330



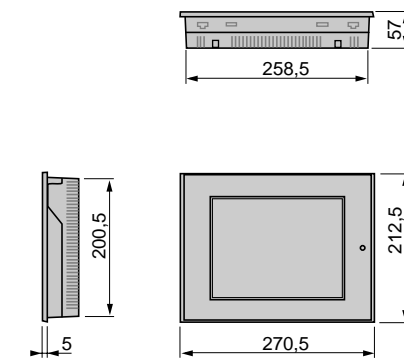
#### XBT GT4230/GT4330/GT4340



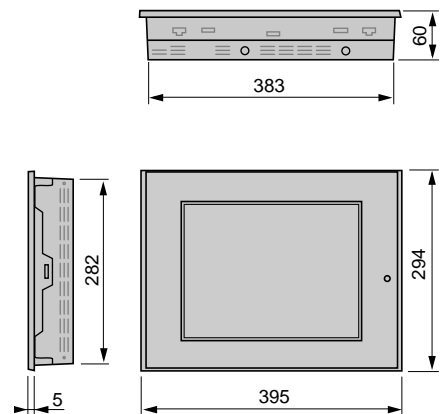
#### XBT GT5230 and XBT GT6330/G6340



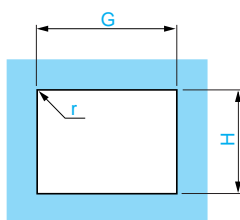
#### XBT GT5330/GT5340



#### XBT GT7340



### Mounting



T = panel thickness

#### Graphic terminals

#### Cut-out for flush mounting

	H	G	r	T
XBT F011●10	243 (±0.4)	209 (±0.4)	2 < r < 3.5	1.6...6
XBT F024	309 (±0.4)	285 (±0.4)	2 < r < 3.5	1.6...6
XBT F034/FC0●4	210.9 (±0.4)	284.9 ±0.4	2 < r < 3.5	1.6...6
XBT GT1100/GT1130	92.5 (+ 1/- 0)	118 (+ 1/- 0)	3 maxi	1.6...5
XBT GT2110/GT2120/GT2130/GT2220/GT2330	123.5 (+ 1/- 0)	156 (+ 1/- 0)	3 maxi	1.6...5
XBT GT4230/GT4330/GT4340	159.5 (+ 1/- 0)	204.5 (+ 1/- 0)	3 maxi	1.6...10
XBT GT5230/GT6330/GT6340	227.5 (+ 1/- 0)	301.5 (+ 1/- 0)	3 maxi	1.6...10
XBT GT5330/GT5340	201 (+ 1/- 0)	259 (+ 1/- 0)	3 maxi	1.6...10
XBT GT7340	282.5 (+ 1/- 0)	383.5 (+ 1/- 0)	3 maxi	1.6...10

# Operator dialogue terminals

## Separate parts for display units and terminals

### XBT N/R/HM/PM and XBT F

#### Downloadable third party protocols

##### Content details

PLC brand	Compatibility			Protocol name	
	XBT N/R (1)	XBT HM/PM	XBT F		
Allen-Bradley	■	■	■	DF1/DH485	
GE Fanuc	–	■	■	SNPX	
Mitsubishi	■	–	–	Melsec	
Omron	■	■	■	Sysmacway	
Siemens	PPI	■	■	AS511, 3964R, PPI, MPI	
Description	Support			Reference	Weight kg
Selection of Third party downloadable protocols for PLCs	CD-ROM			Including in XBT L1003 software	–

#### Communication on bus and networks

Type of protocol	Compatibility	Support	Reference	Weight kg
Type III PCMCIA card	Modbus Plus network	XBT F	TSX MBP100	0.110
	Fipio bus	XBT F	TSX FPP 10	0.110
	Fipway network	XBT F	TSX FPP 20	0.110

#### Replacement part

Size	Compatibility	Approximate number of pages		Reference	Weight kg
		XBT F01	XBT F02/F03		
Type II PCMCIA memory card 16 Mb	XBT F (2)	720	480	XBT MEM16	0.100



XBT MEM16

#### Accessories

Type	Compatibility	Sold in lots of	Unit reference	Weight kg
Sheets of changeable legends (3)	XBT HM	1	XBL YHM4	0.100
	XBT F01	1	XBL YF10	0.100
	XBT F02	1	XBL YF12	0.100
Desk holder	XBT F	2	XBT Z3001	0.200
Spring clips (spare parts)	XBT N/R/HM/PM/F	12	XBT Z3002	0.200
	XBT H/P/E	10	XBT Z3003	0.200
Power supply connector	XBT N/R/HM/PM/F	10	XBT Z3004	0.200
Protective sheets (5 peels off sheet and 2 gaskets)	XBT H	1	XBT ZH	–
	XBT P	1	XBT ZP	–
	XBT E	1	XBT ZE	–

#### Connection to PCs and printers

Use	Compatibility	Length	Connection, peripheral side	Reference	Weight kg
RS 232C PC link	XBT N401/N410/NU400 XBT R410/R411 XBT HM/PM/F	2.5 m	9-way male SUB-D	XBT Z915	0.200
	XBT N200/N400/R400	2.5 m	9-way male SUB-D and mini-DIN (PS/2)	XBT Z945	0.200
Adaptator for PC link, RS 232C serial port (4)	XBT F (for configuration and application transfer via printer port)	–	9-way male SUB-D	XBT Z962	0.100
Adaptator for PC link, USB port (5)	XBT N/R XBT HM/PM/F	–	Male USB type A	SR2 CBL06	–
Serial printer	XBT N/R	2.5 m	25-way female SUB-D	XBT Z926	0.220
	XBT HM/PM/F	2.5 m	25-way female SUB-D	XBT Z936	0.200

(1) Third party protocols, available the 3<sup>rd</sup> quarter of 2006.

(2) PCMCIA card included with the XBT F terminal.

(3) Sheets of changeable legends for XBT N/R, see pages 36366/3 et 36368/3.

(4) Adaptator to be associated with XBT Z915 cable.

(5) Adaptator to be associated with XBT Z915 or XBT Z945 cable, depending on model of XBT display unit or terminal to be connect.

# Operator dialogue terminals

Separate parts for display units and terminals  
XBT N/R/HM/PM and XBT F

## Cables for connecting Magelis terminals

Type of PLC to be connected	Type of connector	Physical link	Protocol	Length	Reference	Weight kg	
<b>Direct connection of XBT terminals (1) to Telemecanique PLCs</b>							
Twido, Modicon Nano, Modicon TSX Micro, Modicon Premium	8-way female mini-DIN terminal port	RS 485	Uni-TE (V1/V2) and Modbus	2.5 m	<b>XBT Z968</b>	0.180	
				5 m	<b>XBT Z9681</b>	0.340	
				2.5 m (2)	<b>XBT Z9680</b>	0.170	
Modicon Premium with TSX SCY 2160●	25-way female SUB-D	RS 485	Uni-TE (V1/V2)	2.5 m	<b>XBT Z918</b>	0.230	
Modicon Quantum	9-way male SUB-D	RS 232	Modbus	2.5 m	<b>XBT Z9710</b>	0.210	
Advantys STB	HE13 (NIM module)	RS 232	Modbus	2.5 m	<b>XBT Z988</b>	0.170	
Modicon Momentum M1 (Port 1)	RJ45	RS 232	Modbus	2.5 m	<b>XBT Z9711</b>	0.210	
Modbus/Ethernet gateway	RJ45	RS 232	Modbus	2.5 m	<b>XBT Z9713</b>	0.210	
<b>Direct connection of XBT terminals (1) to Telemecanique motor starters and drives</b>							
TeSys U ATV 31/38/58/71 variable speed drives and ATS 48 soft starter	RJ45	RS 485	Modbus	2.5 m	<b>XBT Z938</b>	0.210	
LT6 P multifunction protection relay	9-way female SUB-D	RS 232	Modbus	2.5 m	<b>XBT Z9701</b>	0.210	
<b>Direct connection of XBT (1) terminals to third party PLCs</b>							
Allen-Bradley	SLC5	9-way male SUB-D	RS 232	DF1	2.5 m	<b>XBT Z9730</b>	0.210
	PLC5	25-way female SUB-D	RS 232	DF1	2.5 m	<b>XBT Z9720</b>	0.210
	Micro-logix	Micro-logix 1000	RS 232	DF1	2.5 m	<b>XBT Z9731</b>	0.210
			DH485	2.5 m	<b>XBT Z9732</b>	0.210	
GE Fanuc Séries 90	15-way male SUB-D	RS 232/422	SNPX	2.5 m	<b>XBT Z9750</b>	0.210	
Omron	CQM1, CVM1	9-way male SUB-D	RS 232	Sysmacway	2.5 m	<b>XBT Z9740</b>	0.210
	CVM1	9-way male SUB-D	RS 422	Sysmacway	2.5 m	<b>XBT Z9741</b>	0.210
Siemens	S7	9-way male SUB-D	RS 232	MPI	3.7 m	<b>XBT Z979</b>	0.500
	S7 (PG)	9-way male SUB-D	RS 485	PPI	2.5 m	<b>XBT Z9721</b>	0.210
	S5 CP525	25-way female SUB-D	RS 232	3964(R)	2.5 m	<b>XBT Z9720</b>	0.210
	S5 (PG) (3)	15-way female SUB-D	BC/RS 232 converter	AS511	2.5 m	<b>XBT Z939 + XBT Z909</b>	0.215
Mitsubishi	FX Series PLC	Mini-DIN 8-way male	RS 232/RS 422 converter	MELSEC	2.5 m	<b>XBT Z980</b>	0.300
<b>Bus and network connection</b>							
Type of bus/network	Tap-off unit	Type of connector	Length	Reference	Weight kg		
Uni-Telway serial link	TSX SCA 62 subscriber socket	15-way female SUB-D	1.8 m	<b>XBT Z908</b>	0.240		
			2.5 m	<b>XBT Z968</b>	0.180		
	TSX P ACC 01 cable connector	8-way female mini-DIN	5 m	<b>XBT Z9681</b>	0.340		
Modbus serial link	TSX SCA64 subscriber socket	15-way female SUB-D	1.8 m	<b>XBT Z908</b>	0.240		
	Modbus LU9 GC3 8-port splitter box	RJ45	2.5 m	<b>XBT Z938</b>	0.210		
Ethernet TCP/IP network	–	–	–	See page 36371/3	–		
Modbus Plus network	–	–	–	See page 36362/3	–		
Fipio bus Fipway network	–	–	–	Consult our catalogue "Premium automation platform"	–		

(1) All Magelis display units and terminals except **XBT N200/N400** see page 36366/3 et **XBT R400** see page 36368/3.

(2) SUB-D elbow connector coudé.

(3) Order 2 cables: **XBT Z939** (operational voltage 5...20 V) and **XBT Z909**.

# Operator dialogue terminals

## Compact display units and terminals

### Magelis XBT N and XBT R

#### Presentation



XBT N200



XBT N401



XBT R411

Magelis XBT N compact display units and Magelis XBT R terminals are used to represent messages and variables.

Various keys can be used to:

- modify variables,
- control the device,
- browse in a dialogue application

The models with the printer link can print alarms messages.

#### Operation



All Magelis compact display units and terminals have the same ergonomic user interface:

- 2 service keys (◀ & ▶), configurable for contextual link or control,
- 2 service keys (ESC, ENTER), non configurable,
- With some additional keys:
  - XBT N displays: 4 customisable and configurable keys, either as function keys (control mode) or service keys (entry mode).
  - XBT R terminals: 4 service keys, non configurable and 12 customisable and configurable keys either as function keys or numeric inputs (depending on the context)



"Entry" customisation



"Control" customisation

#### Configuration



XBT N400

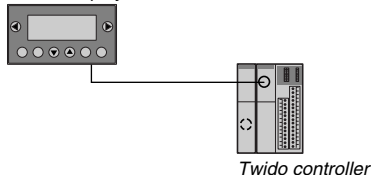
Magelis compact display units and terminals can be configured using the XBT L100 software, in a Windows environment.

The XBT L100 software uses the concept of pages: each page can be viewed in its entirety. A 2 or 4-line window, depending on the model to be configured, enables viewing the screen of this virtual terminal.

The symbol database of Unity Pro, TwidoSoft, PL7 or Concept application can be import in the XBT L1000 operator dialog application

#### Communication

XBT N display unit



XBT N display units and XBT R terminals communicate with PLCs via an integrated point-to-point or multidrop serial link (depending on the model).

The communication protocols used are those of Schneider Electric PLCs (Uni-TE, Modbus).

# Operator dialogue terminals

## Compact display units and terminals

### Magelis XBT N and XBT R

#### Functions

XBT N compact display units and XBT R terminals have, on the front panel, function keys and service keys (according to “control” and “entry” customisation).

#### Function keys F1, F2, F3, F4 for XBT N, F1...F12 for XBT R

Function keys are defined for the whole application.

They can be used for:

- accessing a page,
- latching memory bits,
- toggling memory bits (ON/OFF).
- ...

In addition, with XBT R terminal, 12 function keys switch to numeric inputs 1...0, +/- and . after action on the **MOD** key.

#### Service keys

■ Service keys ◀, **ESC**, **DEL**, ▼, ▲, **MOD**, **ENTER**, ▶ are used for modifying the parameters of the automated system.

They perform the following actions:

**ESC** Cancel an entry, suspend or stop a current action, go back up a level in a menu.

**DEL** Delete the character selected in entry mode.

**MOD** Select the variable field to enter. Authorise the entry of the next field, on each press, from left to right and top to bottom.

**ENTER** Confirm a selection or entry, acknowledge an alarm.

■ The “arrow” keys are used to:

- ◀ ▶  change page within a menu,
- ◀ ▶  display the current alarms,
- ◀ ▶  change a digit in a variable field being entered,
- ◀ ▶  activate the function associated with a functional link,
- ▼ ▲  move up and down within a page (XBT N4●●/R4●●),
- ▼ ▲  select the value of a digit,
- ▼ ▲  select a value from a list of choices,
- ▼ ▲  increment or decrement the value of a variable field.

# Operator dialogue terminals

## Compact display units and terminals

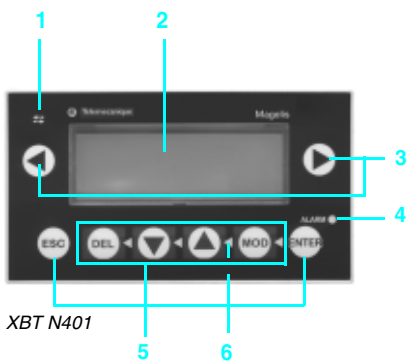
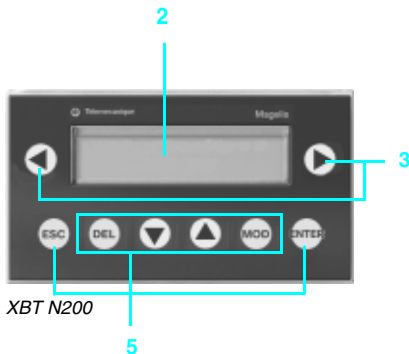
### Magelis XBT N and XBT R

#### Description of XBT N compact display units

XBT N compact display units comprise:

##### On the front panel

- 1 A communication monitoring indicator light (XBT N401).
- 2 A back-lit LCD display.
- 3 Two control or contextual link keys, non configurable.
- 4 An "Alarm" indicator light (XBT N401).
- 5 Six service keys, 4 of which (framed) are configurable as function keys and customisable changeable legends.
- 6 2 system indicator lights in input mode or 4 indicator lights managed by PLC in control mode (XBT N401).



##### Supplied separately



- A sheet of changeable legends:
  - 7 A customisable "entry" legend.
  - 8 A customisable "control" legend F1, F2, F3, F4.
  - 9 A customisable blank legend.
- 2 spring clips to fix display on panel.

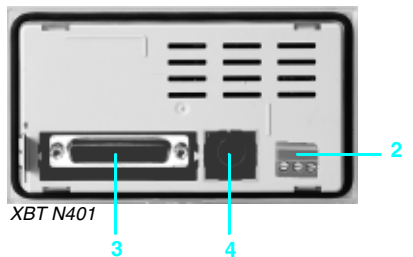
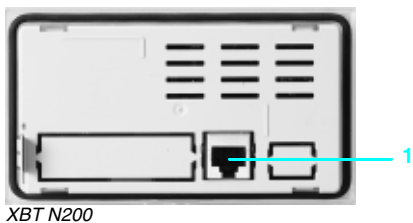
##### On the rear

###### XBT N200/N400 display units

- 1 An RJ45 connector for point to point serial link and  $\pm$  5 V power supply (delivered by PLC).

###### XBT N401/N410/NU400 display units

- 2 A plug-in screw terminal block for  $\pm$  24 V external power supply.
- 3 A 25-way SUB-D type female connector for multipoint serial link.
- 4 A 8-way mini-DIN female connector for printer link (modèle XBT N401).



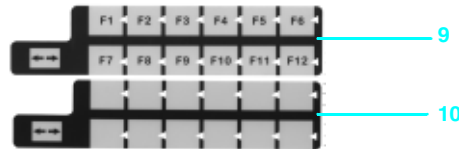
#### Description of XBT R compact terminals

XBT R compact terminals comprise:

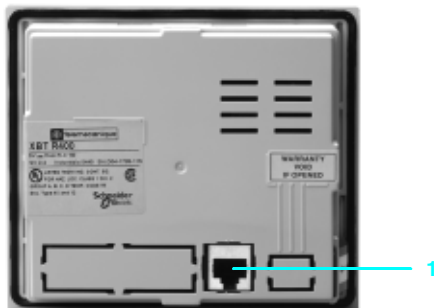
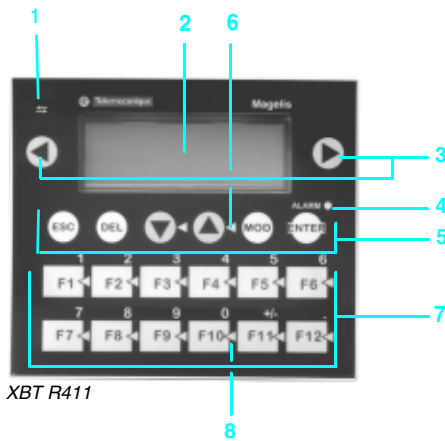
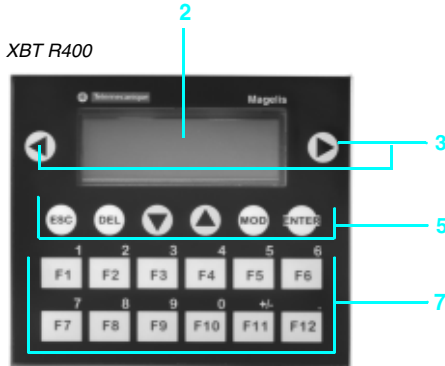
##### On the front panel

- 1 A communication monitoring indicator light (XBT R411).
- 2 A back-lit LCD display : 122 x 32 pixels (matrix screen).
- 3 Two control or contextual link keys, non configurable.
- 4 An "Alarm" indicator light (XBT R411).
- 5 Six service keys.
- 6 2 system indicator lights (XBT R411).
- 7 12 function keys or numeric inputs (depending on the context), customisable by changeable legends
- 8 12 indicator lights (XBT R411), managed by PLC .

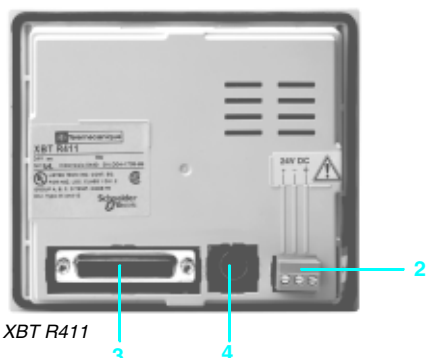
##### Supplied separately



- A sheet of changeable legends:
- 9 A customisable "control" legend F1, F2...F12.
- 10 2 customisable blank legends..
- 4 spring clips to fix display on panel.



XBT R400



XBT R411

##### On the rear

###### XBT R400 terminal

- 1 An RJ45 connector for point to point serial link and 5 V power supply (delivered by PLC).

###### XBT R410/R411 terminals

- 2 A plug-in screw terminal block for 24 V external power supply.
- 3 A 25-way SUB-D type female connector for multipoint serial link.
- 4 A 8-way mini-DIN female connector for printer link (XBT R411).



Type of display unit		XBT N200	XBT N400	XBT N410	XBT N401	XBT NU400
<b>Environment</b>						
<b>Conforming to standards</b>		IEC 61131-2, IEC 60068-2-6, IEC 60068-2-27, UL 508, CSA C22-2 n° 14				
<b>Product certifications</b>		CE, UL, CSA, class 1 Div 2 (UL and CSA), ATEX zone 2/22				
<b>Ambient air temperature</b>	For operation	°C	0...+ 55			
	For storage	°C	- 20...+ 60			
<b>Maximum relative humidity</b>		%	0...85 (without condensation)			
<b>Degree of protection</b>	Front panel	IP 65, conforming to IEC 60529, Nema 4X ("outdoor use")				
	Rear panel	IP 20, conforming to IEC 60529				
<b>Shock resistance</b>		Conforming to IEC 60068-2-27; semi-sinusoidal pulse 11 ms, 15 gn on the 3 axes				
<b>Vibration resistance</b>		Conforming to IEC 60068-2-6 and marine certification; ± 3.5 mm; 2...8.45 Hz; 1 gn 8.75...150 Hz				
<b>E.S.D.</b>		Conforming to IEC 61000-4-2, level 3				
<b>Electromagnetic interference</b>		Conforming to IEC 61000-4-3, 10 V/m				
<b>Electrical interference</b>		Conforming to IEC 61000-4-4, level 3				
<b>Mechanical characteristics</b>						
<b>Mounting and fixing</b>		Flush mounted, fixed by 2 spring clips (included), pressure mounted for 1.5 to 6 mm thick panels				
<b>Material</b>	Screen protection	Polyester				
	Front frame	Polycarbonate/Polybutylene Terephthalate				
	Keypad	Polyester				
<b>Keys</b>		8 keys (6 configurable and 4 with changeable legends)				
<b>Electrical characteristics</b>						
<b>Power supply</b>	Voltage	V	≡ 5 via PLC terminal port	≡ 24		
	Voltage limits	V	–	≡ 18...30		
	Ripple	%	–	5 max.		
<b>Consumption</b>		W	–	5 max.		
<b>Operating characteristics</b>						
<b>Display</b>	Type	Green back-lit LCD	Green back-lit LCD (122 x 32 pixels)	Green, orange or red back-lit LCD (122 x 32 pixels)	Green back-lit LCD (122 x 32 pixels)	
	Capacity (height x width)	2 lines of 20 characters (5.55 x 3.2 mm)	From 1 line of 5 characters (17.36 x 11.8 mm) to 4 lines of 20 characters (4.34 x 2.95 mm)			
	Characters fonts	ASCII and Katakana	ASCII, Cyrillic, Greek, Katakana and Chinese (simplified)			
<b>Signalling</b>		–			4 LEDs	–
<b>Dialogue application</b>	Number of pages	128 application pages (2 lines/page max.)	200 application pages (25 lines/page max.) 256 alarm pages (25 lines/page max.)			
<b>Memory</b>		512 Kb Flash				
<b>Transmission</b>		Asynchronous serial link RS 232C/RS 485				
<b>Downloadable protocols</b>		Uni-TE, Modbus (1) and third party protocols (see page 36357/2)				Modbus
<b>Real-time clock</b>		Access to the PLC real-time clock				
<b>Connection</b>	Power supply		By the PLC terminal port connecting cable (XBT Z978)	Plug-in terminal block, 3 screw terminals (pitched at 5.08 mm) Maximum clamping capacity: 1.5 mm <sup>2</sup>		
	Serial port	Connector	Female RJ 45 (RS 232 C/RS 485)	25-way SUB-D type (RS 232C/RS 485)		
		Connection	Point-to-point	Multidrop		
	Printer port	No			8-way female mini-DIN	No

(1) Modbus master for all XBT N. Modbus slave for XBT N410 (input mode) and XBT N401 (input and control modes).



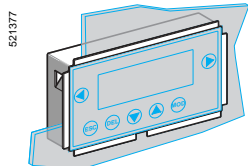
XBT N200



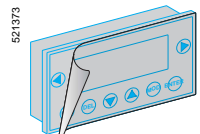
XBT N400/N410/NU400



XBT N401



XBT ZN01



XBT ZN02



XBT Z9780

### Magelis compact display units

Downloadable exchange protocol	Compatible PLCs	Supply voltage	Display	Reference	Weight kg
<b>Display unit with 2 lines of 20 characters (with alphanumeric screen)</b>					
Uni-TE, Modbus	Twido, Nano, TSX Micro, Premium	5 V via PLC terminal port	Back-lit green LCD	<b>XBT N200</b>	0.360
<b>Display units with 4 lines of 20 characters (with matrix screen)</b>					
Uni-TE, Modbus	Twido, Nano, TSX Micro, Premium	5 V via PLC terminal port	Back-lit green LCD (122 x 32 pixels)	<b>XBT N400</b>	0.360
	Twido (1), Nano, Micro, Premium, TSX series 7, Momentum, Quantum Other Modbus slave equipment	24 V external supply	Back-lit green LCD (122 x 32 pixels)	<b>XBT N410</b>	0.380
Modbus	TeSys model U motor starters (3) Altivar drives	24 V external supply	Back-lit green , orange and red LCD(2) (122 x 32 pixels)	<b>XBT N401</b>	0.380
			Back-lit green LCD (122 x 32 pixels)	<b>XBT NU400</b>	0.380

### Software

Description	Operating system	Reference
Configuration software	Windows 98, 2000 and XP	See page 36355/5

### Accessories (4)

Description	Description	For use with	Reference	Weight kg
Accessory for flush mounting	Kit for applications requiring a higher degree of protection or customisation of the console, using a flat metal strip (not included)	All XBT N	<b>XBT ZN01</b>	–
Protective sheets	10 peel off sheets	All XBT N	<b>XBT ZN02</b>	–
Sheets of changeable legends	10 sheets of 6 legends	XBT N200/400	<b>XBL YN00</b>	–
		XBT N401	<b>XBL YN01</b>	–
		XBT NU400		–
Mechanical adaptor for XBT H substitution	From XBT H0●2●1/H0●1010 to XBT N410 From XBT H811050 to XBT N400	–	<b>XBT ZNCO</b>	–

### Cables and connection accessories (5)

Description	Compatibility	Type of connector	Physical link	Protocol	Length m	Reference	Weight kg
Cable for Twido, Nano, TSX Micro and Premium PLCs	XBT N200 XBT N400	RJ45- Mini-DIN	RS 485	Modbus, Uni-TE	2.5	<b>XBT Z9780</b>	0.180
Cable for Modicon M340 controller	XBT N200 XBT N400	RJ45- RJ45	RS 485	Modbus, Uni-TE	2.5	<b>XBT Z9980</b>	0.180
Adaptator cable	XBT N200 XBT N400 (6)	RJ45-RJ45	RS 232C RS 485	Modbus, Uni-TE	0.1	<b>XBT ZN999</b>	–
Serial printer cable	XBT N401	Mini-DIN (display unit side)- 25way-SUB-D	RS 232C	ASCII	2.5	<b>XBT Z926</b>	0.220

(1) Connection via integrated port or optional serial port on the Twido programmable controller.

(2) With also 4 LEDs.

(3) Factory preloaded application for monitoring, diagnostics and adjustment of 1 to 8 TeSys model U motor starters.

(4) For other accessories, see pages 36357/2 and 36357/3.

(5) For other cables and connection accessories, see page 36357/3.


(6) Adaptor cable supplied with **XBT N200/N400** new version. The **XBT ZN999** adaptor is used with the **XBT N200/N400** new version and the **XBT Z978** cable (replace by **XBT Z9780**) or with the **XBT N200/N400** old version and the new **XBT Z9780** cable.



**Nota :** The new version of XBT N display unit is outside different from the old version by the presence of the Telemecanique logo on the front panel (on the left above the screen).

# Operator dialogue terminals

## Magelis display units and terminals

<b>Applications</b>		<b>Display of text messages</b>	<b>Display of text messages and/or semi-graphics</b>
<b>Type of unit</b>		<b>Compact display units</b>	
			
<b>Display</b>	Type	Back-lit green LCD, height 5.5 mm or Back-lit green, orange or red LCD, height 4.34...17.36 mm	Back-lit monochrome matrix LCD (240 x 64 pixels), height 5.3 or 10.6 mm
	Capacity	2 lines of 20 characters or 1 to 4 lines of 5 to 20 characters	4 to 8 lines of 20 to 40 characters
<b>Data entry</b>		Via keypad with 8 keys (4 with changeable legends)	Display only or via keypad with 4 function keys + 1 service key or 5 service keys
<b>Memory capacity</b>	Application	512 Kb Flash	384 Kb Flash EPROM
	Extension via type II PCMCIA	–	
<b>Functions</b>	Maximum number of pages	128/200 application pages 256 alarm pages	600 application pages 256 alarm pages 256 print-out form pages (1)
	Variables per page	40...50	50
	Representation of variables	Alphanumeric	Alphanumeric, bargraph, gauge
	Recipes	–	
	Curves	–	
	Alarm logs	Depending on model	
	Real-time clock	Access to the PLC real-time clock	
	Alarm relay	–	No
<b>Communication</b>	Serial link	RS 232 C/RS 485	RS 232C or RS 422/485
	Downloadable protocols	Uni-TE, Modbus	Uni-TE, Modbus, AEG and for PLC brands: Allen-Bradley, GE Fanuc, Omron, Siemens
	Printer link	RS 232C serial link (1)	
<b>Development software</b>	XBT L1001 and XBT L1003 (under Windows 98, 2000 and XP)		
<b>Operating systems</b>	Magelis		
<b>Type of terminal</b>	<b>XBT N</b>	<b>XBT HM</b>	
<b>Pages</b>	36366/3	36351/3	
	(1) Depending on model.		

<b>Display of text messages Control and parametering of data</b>	<b>Display of text messages and/or semi-graphics Control and parametering of data</b>
--	---

<b>Compacts terminals</b>	
---------------------------	--



Back-lit green, orange and red LCD, height 4.34...17.36 mm	Back-lit monochrome matrix LCD (240 x 64 pixels), height 5.3 or 10.6 mm
1 to 4 lines of 5 to 20 characters	4 to 8 lines of 20 to 40 characters

Via keypad with 12 keys for function or numeric input (according to the context) + 8 service keys	Via keypad with 12 function keys 10 service keys 12 numeric keys 4 soft function keys
---	---

512 Kb Flash -	512 Kb Flash EPROM
-------------------	--------------------

128/200 application pages 256 alarm pages	800 application pages 256 alarm pages 256 print-out form pages (1)
--	--

40...50	50
---------	----

Alphanumeric	Alphanumeric, bargraph, gauge
--------------	-------------------------------

-	
---	--

-	
---	--

Depending on model	
--------------------	--

Access to the PLC real-time clock	
-----------------------------------	--

No	
----	--

RS 232C/RS 485	RS 232C or RS 422/485
----------------	-----------------------

Uni-TE, Modbus	Uni-TE, Modbus, AEG and for PLC brands: Allen-Bradley, GE Fanuc, Omron, Siemens
----------------	---

RS 232C serial link (1)	
-------------------------	--

XBT L1001 and XBT L1003 (under Windows 98, 2000 and XP) Magelis	
--	--

<b>XBT R</b>	<b>XBT PM</b>
--------------	---------------

36368/3	36351/3
---------	---------