Operator dialogue terminals

Magelis terminals with graphic screen

Characteristics

Type of terminal	XBT-F011	XBT-F032	XBT-F023/F024	XBT-F034

Environment

Conforming to standards		IEC 1131-2, 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
Product certifications		CE, UL, CSA
Temperature	Operation	0...+ 45 °C
	Storage	- 20...+ 60 °C
Relative humidity		0...85 % (no condensation)
Degree of protection		
	Front panel	IP 65, conforming to IEC 529, Nema 4
	Rear panel	IP 20, conforming to IEC 529
Shock resistance		Conforming to IEC 68-2-27 ; semi-sinusoidal pulse 11 ms, 15 gn in the 3 axes

Mechanical characteristics

Mounting and fixing		Flush-mounted, fixed with spring clips (supplied) pressure-mounted (on a 1 to 6 mm thick panel)			
		10 spring clips	8 spring clips	12 spring clips	10 spring clips
Material	Front section	Polyphenyl oxide, 10 % glass fibre (PPO GFN1 SE 1)			
	Keypad	Anti-UV treated toughened polyester (Autoflex EB AG)			
	Enclosure	Polyphenyl oxide, 10 % glass fibre (PPO GFN1 SE 1)			
Keys	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	–

Electrical characteristics

LCD screen	Type	5.7" monochrome, back-lit with 16 levels of grey	5.7" STN 256 colours, back-lit with resistive matrix tactile feedback	XBT-F023 : 9.5" monochrome, back-lit with 16 levels of grey XBT-F024 : 10.4" TFT 256 colours	10.4" TFT 256 colours with resistive analogue tactile feedback
	Resolution	320 x 240 pixels		640 x 480 pixels	
Power supply	Voltage	= 24 V not isolated			
	Limits	18...30 V, maximum ripple 5 %, maximum microbreaks 1 ms			
	Protection	Against polarity inversion and overloads			
Consumption		35 W			

Operating characteristics

| Signalling		1 communication monitoring LED and 1 keypad activity (or tactile feedback activity) LED and 11 LEDs associated with service and alphanumeric keys
Operating system		Magelis
Dynamic RAM memory		2.5 Mb
Application memory		On 2 Mb PCMCIA II card (supplied), 4, 8 or 10 Mb
Dialogue application		
	Maximum no. of pages	50 to 450 application, alarm, help, form and recipe pages depending on the memory card used / 30 to 300 application, alarm, help, form and recipe pages depending on the memory card used
	Curves	16 real-time curves / 16 real-time curves
Connections	PLC/ configuration PC	RS 232 C/RS 422/485 insulated serial link, downloadable communication protocols (see page 27 and page 28)
	Printer	RS 232 C serial link
	Bus or network	Slot for PCMCIA type III communication card depending on the model, communication protocols (see page 28)
Real-time clock		Access to the PLC real-time clock
Alarm relay		1 volt-free N/O contact, max 0.5 A = / ~ 24 V
Connection	Power supply and alarm relay	Plug-in terminal, 5 screw terminals (5.08 mm pitch) Max clamping capacity : 1.5 mm²
	PLC	Female 25-way SUB-D connector
	Printer/ configuration PC	Male 9-way SUB-D connector

Telemecanique

Operator dialogue terminals

Magelis terminals with graphic screen

References

Terminals with keypad
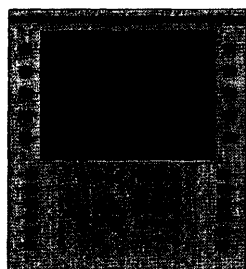
Downloadable exchange protocol	Type and size of screen	Supply voltage V ⎓	Type III slot for PCMCIA communication card	Reference	Weight kg
See page 27 and page 28	Monochrome 5.7"	24	No	XBT-F011110	1.800
			Yes	XBT-F011310	1.800
	Monochrome 9.5"	24	No	XBT-F023110	2.700
			Yes	XBT-F023310	2.700
	Colour 10.4"	24	No	XBT-F024110	2.700
			Yes	XBT-F024310	2.700
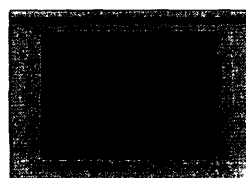
XBT-F024●10

Terminals with touch-sensitive screens

See page 27 and page 28	Colour 5.7"	24	No	XBT-F032110 ▲	1.600
			Yes	XBT-F032310 ▲	1.600
	Colour 10.4"	24	No	XBT-F034110 ▲	2.400
			Yes	XBT-F034310 ▲	2.400

XBT-F034●10

Separate parts

Description	Use	Reference	Weight kg
Development software	Under Windows 95 or NT 4.●, for downloading the application and protocols	See page 27	–
PCMCIA type II memory cards	Application memory	See page 28	–
PCMCIA type III communication cards	Bus and industrial networks connection	See page 28	–
Connecting cables	Serial link, Uni-Telway bus, configuration terminal, printer connection	See page 29	–
Sheets of labels	Labels for function keys	See page 28	–

Replacement parts

Description	Use	Memory size	Reference	Weight kg
PCMCIA type II memory card	XBT-F terminals	2 Mb	XBT-MEM02	0.100
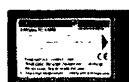
XBT-MEM02

▲ To be marketed 4th quarter 1998

Operator dialogue terminals

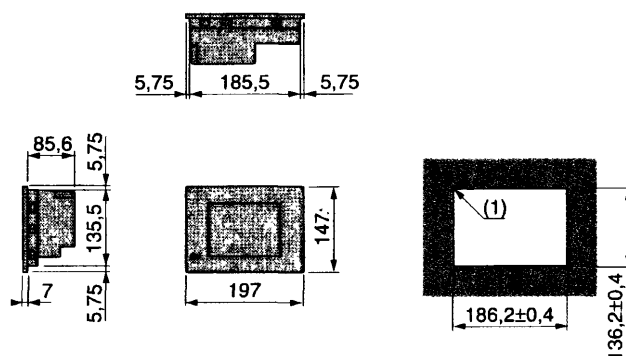## Dimensions, mounting

Terminals with graphic screen
XBT-F011●10

Cut-out
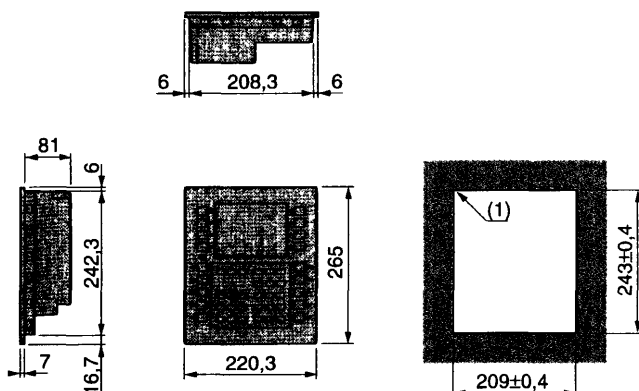
XBT-F032●10

Cut-out

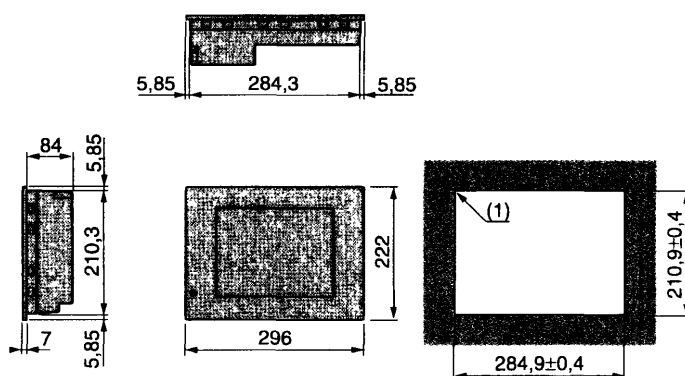(1) r : 3.5 max, 2 min

(1) r : 3.5 max, 2 min

XBT-F023/F024

Cut-out

XBT-F034

Cut-out

(1) r : 3.5 max, 2 min

(1) r : 3,5 max. 2 min

Graphic stations
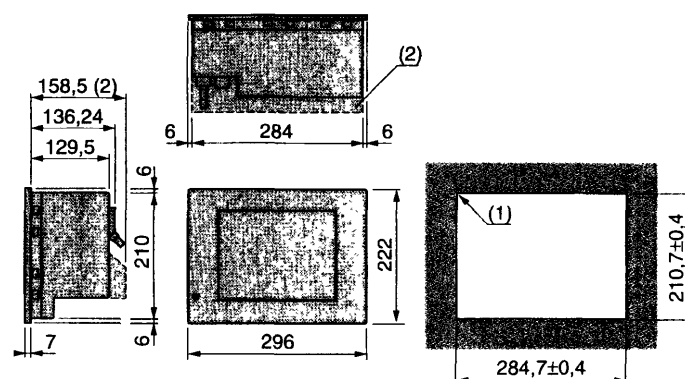**TXBT-F0233/F0243/F0234/F0244**

Cut-out

TXBT-F0343/F0344
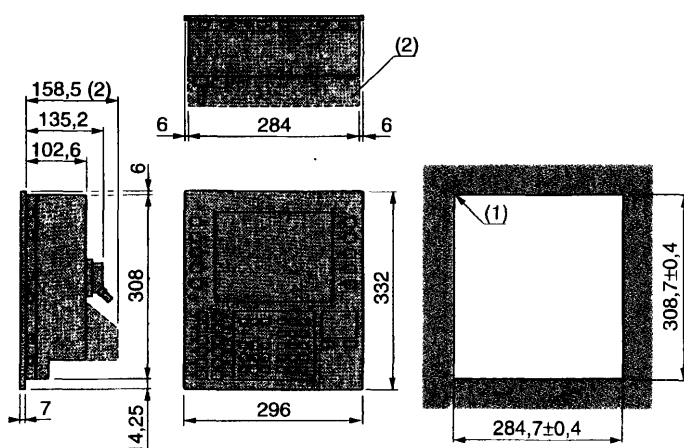
Cut-out

(1) r : 3.5 max, 2 min
(2) TXBT-F0234/F0244 (ISA model) only

(1) r : 3.5 max, 2 min
(2) TXBT-F0344 (ISA model) only