

Operator dialogue terminals

Magelis terminals with graphic screen

Characteristics

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Type of terminal	XBT-F011	XBT-F032	XBT-F023/F024	XBT-F034
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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	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-LIV 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)	
	PLC	Max clamping capacity : 1.5 mm ²	
	Printer/ configuration PC	Female 25-way SUB-D connector	
		Male 9-way SUB-D connector	



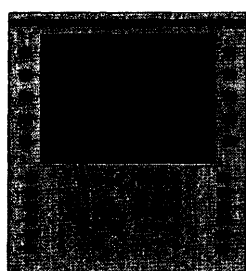
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Terminals with keypad



XBT-F024●10

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-F034●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

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

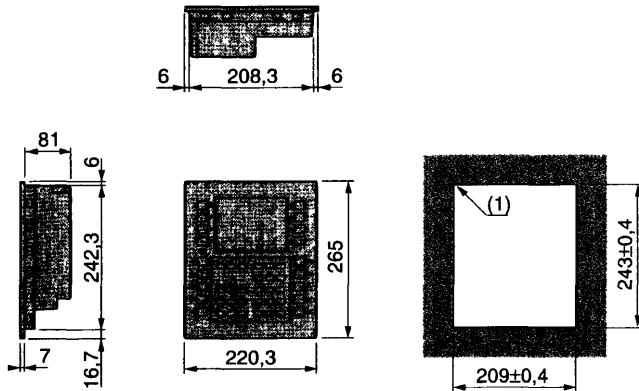
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Dimensions, mounting

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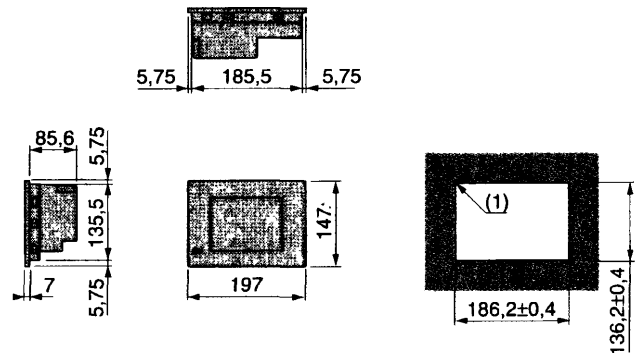
Terminals with graphic screen XBT-F011•10

Cut-out



XBT-F032•10

Cut-out

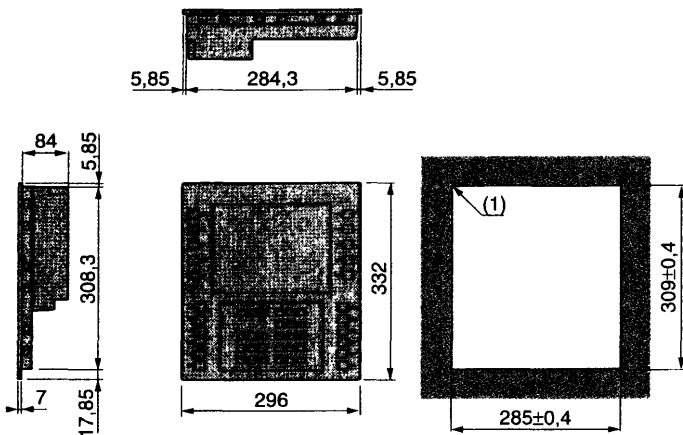


(1) r : 3.5 max, 2 min

(1) r : 3.5 max, 2 min

XBT-F023/F024

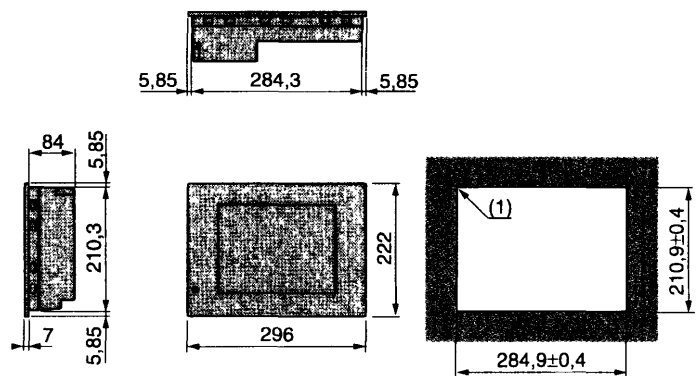
Cut-out



(1) r : 3.5 max, 2 min

XBT-F034

Cut-out

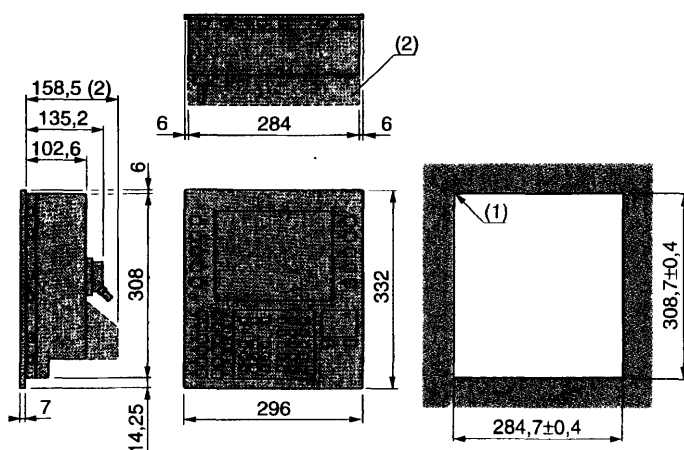


(1) r : 3.5 max, 2 min

Graphic stations

TXBT-F0233/F0243/F0234/F0244

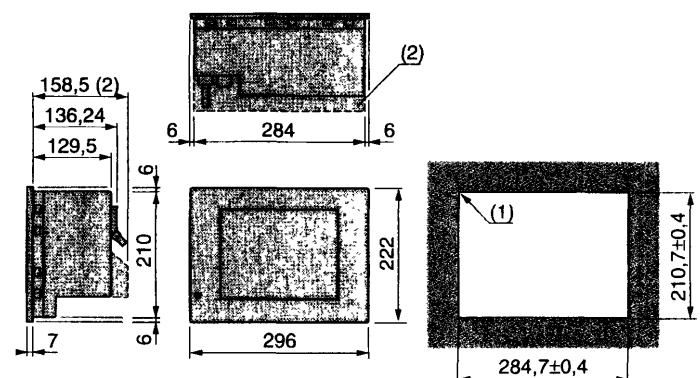
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TXBT-F0343/F0344

Cut-out



(1) r : 3.5 max, 2 min