# Product datasheet

Specifications




## advanced touchscreen panel - 320 x 240 pixels QVGA - 3.8" - 24 V

XBTGT1135

Discontinued on: 31 Dec 2015

End-of-service on: 31 Dec 2019

Discontinued

**EAN Code: 3595863957488**

## Main

| | |
|---|---|
| **Range of product** | Harmony XBTGT |
| **Product or component type** | Advanced touchscreen panel |
| **Display type** | Backlit monochrome STN LCD |
| **Display colour** | 8 levels of grey<br>Amber or red |
| **Display resolution** | 320 x 240 pixels QVGA |
| **Display size** | 3.8 inch |
| **Software type** | Configuration software |
| **Software designation** | Vijeo Designer |
| **Operating system** | Harmony |
| **Processor name** | CPU RISC |
| **Processor frequency** | 200 MHz |
| **Memory description** | 512 KB SRAM back up of data with lithium battery back-up<br>32 MB flash EPROM application memory |
| **Integrated connection type** | removable screw terminal block connector power supply<br>RJ45 connector Ethernet TCP/IP<br>RJ45 connector COM1 serial link with RS232C/RS485 interface at <= 115.2 kbits/s<br>USB type A master port (V1.1), compatible with Modicon M340 terminal port communication |
| **Resistance to electrostatic discharge** | 6 kV conforming to IEC 61000-4-2 level 3 |
| **Cut-out dimensions** | 118 (+ 1/- 0) x 92.5 (+ 1/- 0) mm |

## Complementary

| | |
|---|---|
| **Touch panel** | Analogue |
| **Backlight lifespan** | 10000 hours with red<br>50000 hours with amber |
| **Brightness** | 16 levels |
| **Contrast** | 8 levels via touch panel |
| **Character font** | Chinese (simplified Chinese)<br>Korean<br>Taiwanese (traditional Chinese)<br>Japanese (ANK, Kanji)<br>ASCII |
| **[Us] rated supply voltage** | 24 V DC |
| **Supply** | External source |
| **Supply voltage limits** | 19.2…28.8 V |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Inrush current** | 60 A |
| **Power consumption in W** | 13 W |
| **Local signalling** | 1 LED (green) for normal operation |
| **Number of pages** | Limited by internal memory capacity |
| **Downloadable protocols** | Telemecanique Modicon Modbus TCP<br>Telemecanique Modicon Modbus<br>Mitsubishi Melsec third party protocols<br>Omron Sysmac third party protocols<br>Rockwell Automation Allen-Bradley third party protocols<br>Siemens Simatic third party protocols<br>Telemecanique Modicon Uni-TE |
| **Realtime clock** | Built-in |
| **Port Ethernet** | 100BASE-TX |
| **Product mounting** | Flush mounting |
| **fixing mode** | By 4 screw clamps<br>By 2 spring clips |
| **Front material** | PPT |
| **Enclosure material** | PPT |
| **Marking** | CE |
| **Width** | 130 mm |
| **Height** | 104 mm |
| **Depth** | 40 mm |
| **Net weight** | 0.4 kg |

## Environment

| | |
|---|---|
| **Immunity to microbreaks** | 2 ms |
| **Standards** | UL 508<br>IEC 61000-6-2<br>UL 1604<br>FCC Class A<br>CSA C22.2 No 14<br>EN 61131-2 |
| **Product certifications** | UL Class 1 Division 2 T4A<br>CSA Class 1 Division 2 T5<br>ATEX zone 2/22<br>CSA Class 1 Division 2 T4A<br>UL Class 1 Division 2 T5<br>cULus<br>C-Tick |
| **Ambient air temperature for operation** | 0…50 °C |
| **Ambient air temperature for storage** | -20…60 °C |
| **Relative humidity** | 0…90 % without condensation |
| **Operating altitude** | < 2000 m |
| **IP degree of protection** | IP20 (rear panel) conforming to IEC 60529<br>IP65 (front panel) conforming to IEC 60529 |
| **NEMA degree of protection** | NEMA 4X front panel (indoor use) |
| **Shock resistance** | 15 gn for 11 ms conforming to IEC 60068-2-27 |
| **Vibration resistance** | 1 gn conforming to IEC 60068-2-6 (f = 9…150 Hz)<br>3.5 mm conforming to IEC 60068-2-6 (f = 5…9 Hz) |
| **Resistance to electromagnetic fields** | 10 V/m conforming to IEC 61000-4-3 |

| | |
|---|---|
| **Resistance to fast transients** | 2 kV conforming to IEC 61000-4-4 level 3 |

## Packing Units

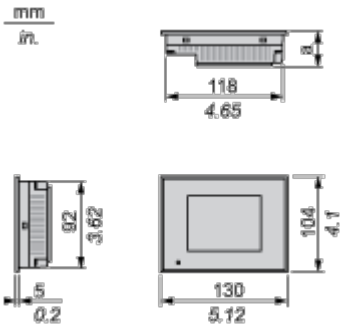
| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

Dimensions Drawings

## Dimensions



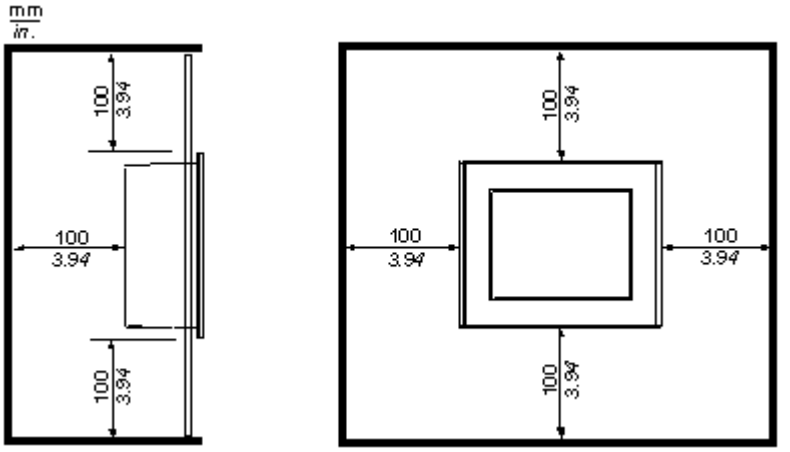

| Product Reference | a in mm | a in in. |
|---|---|---|
| XBTGT1105<br>XBTGT1135 | 41 | 1.61 |
| XBTGT1335 | 40 | 1.57 |

## Mounting and Clearance

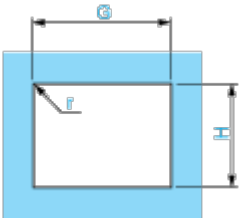
### Clearance

#### Installation Requirements

For easier maintenance, operation and improved ventilation, be sure to install the unit at least 100 mm (3.94 in) away from adjacent structures and other equipment:



## Panel Cut-out Dimensions




Dimensions in mm

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|---|---|---|---|---|
| | H (-/+ 0.1 mm) | G (-/+ 0.1 mm) | r | Panel Thickness |
| XBTGT1105<br>XBTGT1135<br>XBTGT1335 | 92.5 | 118 | 3 max. | 1.6 ... 5 |
| XBTGT2110<br>XBTGT2120<br>XBTGT2130<br>XBTGT2220<br>XBTGT2330 | 123.5 | 156 | 3 max. | 1.6 ... 5 |
| XBTGT4230<br>XBTGT4330<br>XBTGT4340 | 159.5 | 204.5 | 3 max. | 1.6 ... 10 |
| XBTGT5230<br>XBTGT6330<br>XBTGT6340 | 227.5 | 301.5 | 3 max. | 1.6 ... 10 |
| XBTGT5330<br>XBTGT5340 | 201 | 259 | 3 max. | 1.6 ... 10 |
| XBTGT7340 | 282.5 | 383.5 | 3 max. | 1.6 ... 10 |

Dimensions in in.

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|---|---|---|---|---|
| | H (-/+0.004 in.) | G (-/+0.004 in.) | r | Panel Thickness |
| XBTGT1105<br>XBTGT1135<br>XBTGT1335 | 3.64 | 4.65 | 0.12 max. | 0.06 ... 0.20 |
| XBTGT2110<br>XBTGT2120<br>XBTGT2130<br>XBTGT2220<br>XBTGT2330 | 4.86 | 6.14 | 0.12 max. | 0.06 ... 0.20 |
| XBTGT4230<br>XBTGT4330<br>XBTGT4340 | 6.28 | 8.05 | 0.12 max. | 0.06 ... 0.39 |
| XBTGT5230<br>XBTGT6330<br>XBTGT6340 | 8.96 | 11.87 | 0.12 max. | 0.06 ... 0.39 |

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|---|---|---|---|---|
| | H (-/+0.004 in.) | G (-/+0.004 in.) | r | Panel Thickness |
| XBTGT5330<br>XBTGT5340 | 7.91 | 10.20 | 0.12 max. | 0.06 ... 0.39 |
| XBTGT7340 | 11.12 | 15.10 | 0.12 max. | 0.06 ... 0.39 |