

The KPD-TS12C-10 is a state-of-the-art HMI device with a touch screen interface and a 12.1" graphic display. The novel aluminum bezel offers a rugged and convenient flat design and an appealing look.

Highlights

- 12.1" diagonal graphic display
- TFT Color display SVGA (800x600 pixels) resolution
- Shows up to 40 rows, 100 characters of information
- Resistive touch screen
- Connection to industrial bus systems
- Connection to Ethernet
- Compatible with HMI control and local I/O subsystems
- Large memory size (8 MB Flash)
- IP65 front panel protection
- Programmable with Baldor Designer Windows front end



These touchscreen HMI panels are part of a family of touchscreen products. All of the touchscreen products support the rich common functionality of the Baldor operator panels:

- Powerful and intuitive programming with the Baldor Designer software
- Display data in numerical, text and bargraph format
- Dynamic graphic objects
- Data acquisition and trend presentation
- Analog gauges
- Recipe data storage
- Keyboard/Touch macro editor
- Alarms and historical alarm list
- Eight level password protection
- Report printing to serial printer

Technical data

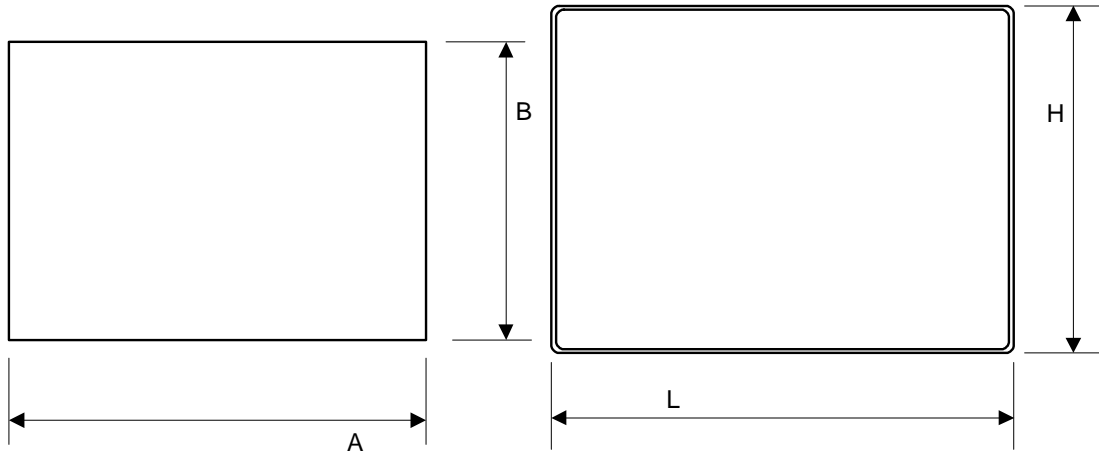
	Display	Colors	Backlight	Lamp Lifetime
KPD-TS12C-10	TFT color LCD	256	CCFL	50000 h (typ)
Display				
Graphic resolution	800x600 pixels			
Active display area	246x184 mm (12.1" diagonal)			
Rows/columns	40x100			
Character height	-			
Scalable fonts	Yes			
User definable characters	256			
Contrast regulation	-			
Memory				
User memory	8 MB SSFDC memory card			
User memory expansion	-			
Front panel				
Function keys	-			
System keys	-			
Touch screen	Resistive (guaranteed 3 M operations)			
User LED's	-			
System LED's	5			
Connections				
PC/Printer port	Yes			
PLC port	RS-232, RS-485, RS-422, 20 mA CL			
Aux port (fieldbus and Ethernet connection)	Yes, with optional modules			
External keyboard port	No			
Programming speed	9600 - 38400 bps			
Functionality				
Page size	-			
Number of variables per page	Unlimited			
Recipe memory	32 KB			
UniNet network	Client/Server			
Alarms	1024			
Event list	1024			
Alarm info page	Yes			
Password	Yes			
Battery	Yes			
Hardware RTC	Yes, battery backed			
Screen saver	Yes			
Buzzer	Yes, audible feedback for touch screen			
Power supply voltage	18 - 30 VDC			
Max power consumption	~ 800 mA at 24 VDC			
Fuse	Automatic			
Weight	~ 2.85 Kg			
Operating temperature	0 to 45 °C			
Storage temperature	-20 to +70 °C			
Operating and storage humidity	5 - 95 % RH non-condensing			
Protection class	IP65 (front panel)			

The product is designed for installation in an industrial environment in compliance with the regulations:

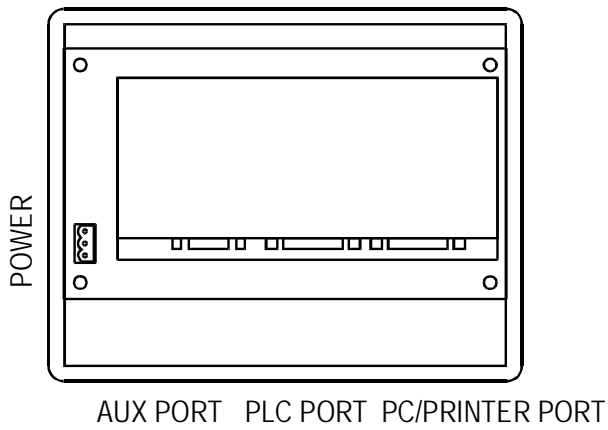
- Emitted interference EN 61000-6-4, 2001
- Noise immunity EN 61000-6-2, 2001

Front dimensions and cutout

Faceplate LxH	337x267 mm	13.26x10.51"
Cutout AxH	326x256 mm	12.83x10.08"
Cutout depth (version -0050)	91 mm	3.58"
Max panel thickness	5 mm	0.2"



Connections







Indicators on the front panel

There are several dedicated LED indicators on the front panel of the unit. Functions are described in the table below.

A customizable legend strip is included.



Elements not listed in the table are reserved for future use.

LED	Color	Status	Meaning
	red	OFF	No hardware problem detected
		BLINK	Battery low
		ON	Hardware fault
	green	OFF	No touch cell active
		ON	While any touch cell is active (visual feedback)
	green	OFF	Hardware fault
		ON	Unit in operation
	green	BLINK	Communication error
		ON	Communication OK
	red	OFF	No alarms
		BLINK	Alarm requires acknowledgment
		ON	Alarm active

Ordering Information

KPD-TS12C-10	12" touchscreen panel
KPD-OPTC	CANopen option card
CBL034-501	Programming Cable