

A compact low-cost HMI with graphic display, the KPD-KG420-20 sets a new standard for entry-level HMI products, yet with full numeric data entry capabilities.

Features

- Monochrome graphic display 120x32 pixels
- Downloadable fonts
- Scalable text
- 9 user programmable function keys with slide-in legends
- 10 user programmable LED indicators
- Connection to CANopen with optional module
- IP65 front panel protection
- Powerful and intuitive programming with the Designer software
- Dual-driver communication capability,
- Scalable fonts for effective presentation of information.
- Optional modules for fieldbus systems
- Display data in numerical, text and bargraph format
- Dynamic graphic objects
- Recipe data storage
- Keyboard macro editor
- Alarms and historical alarm list
- Eight level password protection



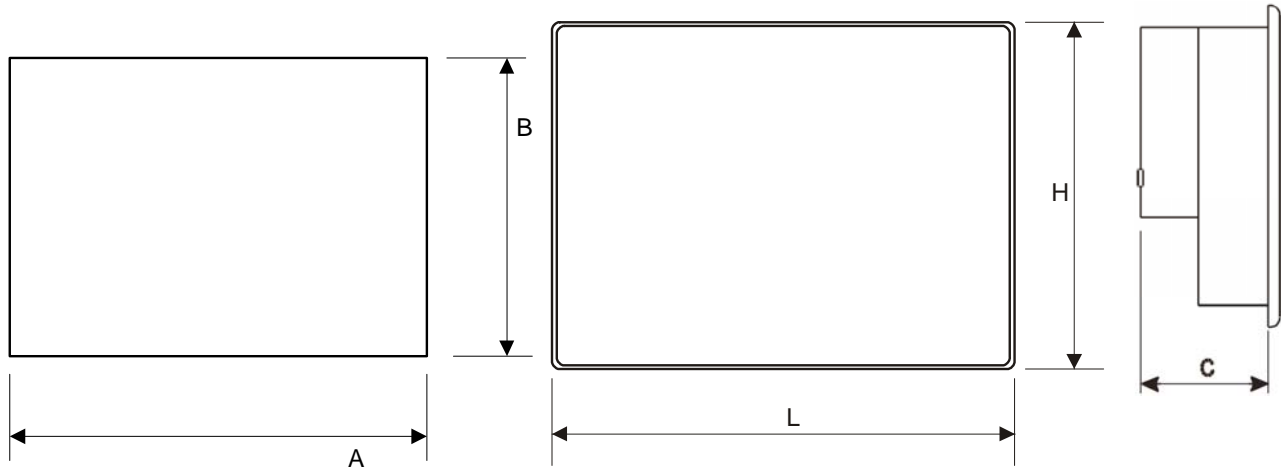
Technical Data

Display	
Type	Monochrome LCD
Backlight	LED
Graphic resolution	120x32
Active display area	70x21 mm
Rows/columns	4x20
Scalable fonts	Yes
User definable characters	256
Contrast regulation	Software
Memory	
User memory	512 KB
User memory expansion	No
Front panel	
Function keys	9, with slide-in legend
System keys	10
Touch screen	No
User LED's	10
System LED's	4
Connections	
PC/Printer port	No
PLC port	RS-232, RS-422, RS-485
Aux port (fieldbus and Ethernet connection)	Yes, requires optional module
Programming speed	9600 bps
Functionality	
Number of variables per page	Unlimited
Dual-driver capability	-
Recipe memory	-
UniNet network	Client
Alarms	256
Event list	-
Alarm info page	Yes
Password	Yes, 8 levels
Battery	-
Hardware RTC	-
Screen saver	-
Buzzer	-
Power supply voltage	18 ÷ 30 VDC
Max power consumption	0.25 A at 24 VDC
Fuse	Overcurrent protection device
Weight	1 Kg
Operating temperature	
Operating Temperature	0 ÷ +50 °C
Storage temperature	-20 ÷ +70 °C
Operating and storage humidity	5 ÷ 85 % RH non-condensing
Protection class	IP65 (front panel)

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

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

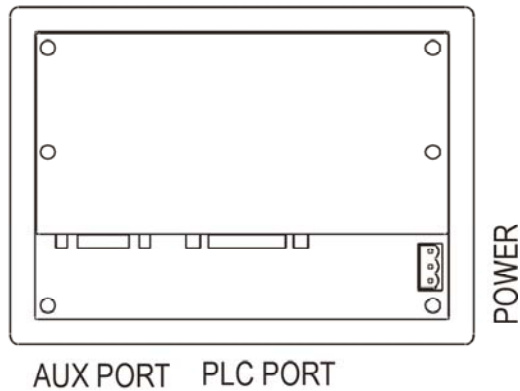
Dimensions and Cutout



Front Dimensions and Cutout

Faceplate LxH	149x109 mm	5.86"x4.29"
Cutout AxH	136x96 mm	5.35"x3.78"
Cutout depth C	53 mm	2.08"
Max panel thickness	5 mm	0.19"

Connections



To access the slot for the modules, remove the rear cover of the product.

Indicators and Keypad

There are several dedicated LED indicators on the front panel of the unit. Functionality is described in the table below. 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 key pressed and no touch cell active
		ON	Key pressed or touch cell 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
	green		May be user controlled as LED number 65 using the Macro Editor. Turns ON when recipe/event backup is being performed.

Function keys associated to keys 1 to 9 have a slide-in legend. Legend strips in laser printable form are available as accessories.

Contact

For further office locations visit www.baldor.com

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