



Installazione e montaggio / Assembly and installation

Dimensioni e forature / Dimensions & drilling template (in mm/inc.)

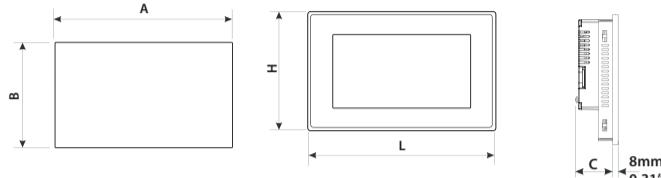


Fig.1

Model	A	B	C	H	L
PGB07010FCCA0	176mm/ 6.90"	136mm/ 5.35"	47mm/ 1.85"	147mm/ 5.79"	187mm/ 7.36"
PGB10010FCCA0	271mm/ 10.66"	186mm/ 7.32"	52mm/ 2.02"	197mm/ 7.75"	282mm/ 11.10"
PGB15010FCCA0	411mm/ 16.18"	256mm/ 10.00"	56mm/ 2.20"	267mm/ 10.50"	422mm/ 16.60"

Tab.1

Fissaggio supporti / Fixing bracket

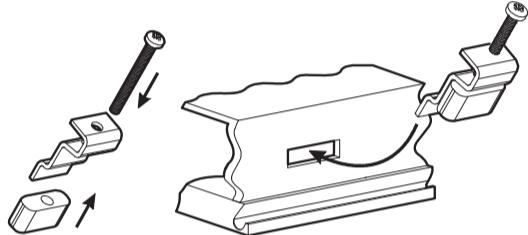


Fig.2

Nota: avvitare ogni vite di fissaggio fino a quando l'angolo della cornice poggerà sul pannello (Rif.: PGB07010FCCA0: 4; Pezzi Rif.: PGB10010FCCA0: 9 Pezzi; PGB15010FCCA0: 12 Pezzi). / Tighten each fixing screw until the corner of the frame comes into contact with the panel (Ref.: PGB07010FCCA0: 4; Ref.: PGB10010FCCA0: 9 Pieces; PGB15010FCCA0: 12 Pieces).

Applicazione guarnizione / Applying the gasket

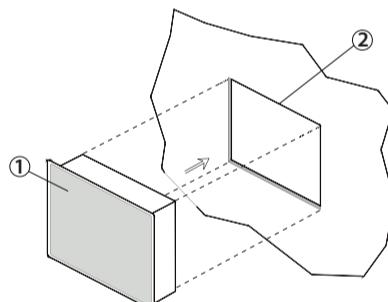


Fig.3

Legenda :

- ① PGB07010FCCA0; PGB10010FCCA0; PGB15010FCCA0
- ② Foratura per il montaggio / Installation knock-out

Tab.2

Vista posteriore/ Rear view

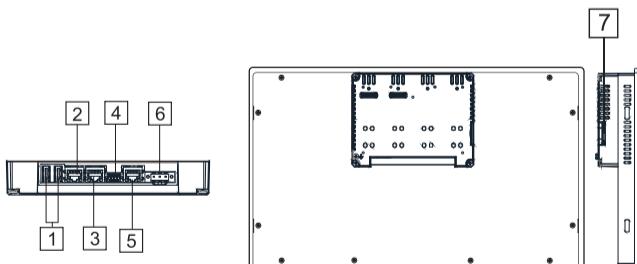


Fig.4

①	USB port V2.0, max. 500 mA
②	Ethernet port 2 (10/100 Mb), non utilizzabile / not usable
③	Ethernet port 1 (10/100 Mb)
④	Serial port
⑤	Ethernet port 0 (10/100/1000 Mb)
⑥	Power supply
⑦	SD Card Slot

Tab.2

 **WARNING:** separate as much as possible the probe and digital input signal cables from the cables carrying inductive loads and power cables to avoid possible electromagnetic disturbance. Never run power cables (including the electrical panel wiring) and signal cables in the same conduits.

IMPORTANT WARNINGS

The CAREL product is a state-of-the-art product, whose operation is specified in the technical documentation supplied with the product or can be downloaded, even prior to purchase, from the website www.carel.com. - The customer (manufacturer, developer or installer of the final equipment) accepts all liability and risk relating to the configuration of the product in order to reach the expected results in relation to the specific final installation and/or equipment. Failure to complete such operations, which are required/indicated in the user manual, may cause the final product to malfunction; CAREL accepts no liability in such cases. The end customer must only use the product in the manner described in the documentation relating to the product. The liability of CAREL in relation to its products is specified in the CAREL general contract conditions, available on the website www.carel.com and/or by specific agreements with customers.

Description

I terminali grafici pGDx da 7, 10 e 15 pollici appartengono alla famiglia di terminali touch screen pensata per rendere semplice e intuitivo l'interfacciamento dell'utente con i controlli delle famiglie pCO e c.pCO Sistemi. La tecnologia del nuovo display ad alta risoluzione, insieme ad una gamma cromatica pari a 16 milioni garantisce un'interfaccia grafica di alto livello. Caratteristica trasmessa anche dallo schermo di vetro al quale è accoppiata una tecnologia touch capacitiva, capace di restituire il feeling tipico di cellulari / tablet. Permettono di gestire immagini ad alta risoluzione e funzionalità avanzate per ottenere un elevato standard estetico.

Codici modelli

Codice	Dimensione display	Risoluzione
PGB07010FCCA0	7 pollici	800x480 (WVGA)
PGB10010FCCA0	10.1 pollici	1280x800 (WXGA)
PGB15010FCCA0	15.6 pollici	1366x768 (HD)

Codici accessori

Codice	Descrizione
PTGA00TRFO	Alimentatore 230 VAC – 24 VDC per guida DIN

Avvertenze per l'installazione

Evitare il montaggio delle schede in ambienti che presentino le seguenti caratteristiche:

- umidità relativa maggiore di quanto indicato nelle specifiche tecniche;
- forti vibrazioni o urti;
- esposizione ad atmosfera aggressiva ed inquinanti (es.: gas solfori e ammoniacali, nebbie saline, fumi) con conseguente corrosione e/o ossidazione;
- elevate interferenze magnetiche e/o radiofrequenze (evitare quindi l'installazione delle macchine vicino ad antenne trasmettenti);
- esposizione all'irraggiamento solare diretto e agli agenti atmosferici in genere;
- ampie e rapide fluttuazioni della temperatura ambiente;
- ambienti ove sono presenti esplosivi o miscele di gas infiammabili;
- evitare di avvicinarsi con le dita ai componenti elettronici montati sulle schede per evitare scariche elettrostatiche (estremamente dannose) dall'operatore verso i componenti stessi.

Avvertenze generali

1. I terminale pGDTouch 7", 10" e 15" possono essere alimentati solo in corrente continua.
2. Una tensione di alimentazione elettrica diversa da quella prescritta può danneggiare seriamente il sistema;
3. Utilizzare capicorda adatti per i morsetti in uso. Allentare ogni vite ed inserirvi i capicorda, quindi serrare le viti. Ad operazione ultimata tirare leggermente i cavi per verificarne il corretto serraggio;
4. L'uso a temperature particolarmente basse può causare una visibile diminuzione della velocità di risposta del display. Questo è ritenersi normale e non è indice di malfunzionamento.

Primo avvio

Al momento dell'avvio, il terminale mostrerà una schermata di scelta tra la modalità Runtime o la modalità Browser.



Description

The pGDx 7", 10" and 15" graphic terminals are part of the touch screen family, designed to make the user interface with the pCO/c.pCO controllers simple and intuitive. The technology used on the high-resolution display, with 16 million colours, guarantees a high-level graphic interface. The glass screen, together with capacitive touch technology, give the user the typical feeling of mobile phones/tablets. These features mean high resolution images and advanced functions can be managed, all with a high aesthetic standard.

Model part numbers

P/N	Display size	Resolution
PGB07010FCCA0	7 inches	800x480 (WVGA)
PGB10010FCCA0	10.1 inches	1280x800 (WXGA)
PGB15010FCCA0	15.6 inches	1366x768 (HD)

Accessory part numbers

P/N	Description
PTGA00TRFO	230 VAC – 24 VDC power supply for DIN rail

Installation warnings

Do not install the boards in environments with the following characteristics:

- relative humidity greater than the value specified in the technical specifications;
- strong vibrations or knocks;
- exposure to aggressive and polluting atmospheres (e.g.: sulphur and ammonia fumes, saline mist, smoke) so as to avoid corrosion and/or oxidation;
- strong magnetic and/or radio frequency interference (therefore avoid installing the units near transmitting antennae);
- exposure to direct sunlight or the elements in general;
- large and rapid fluctuations in the room temperature;
- environments where explosives or mixes of flammable gases are present;
- avoid touching or nearly touching the electronic components fitted on the boards to avoid electrostatic discharges (extremely damaging) from the operator to the components.

General warnings

1. The pGD Touch 7", 10" and 15" terminals are for DC power supply only.
2. Power supplies other than those specified may seriously damage the system;
3. Use cable ends suitable for the corresponding terminals. Loosen each screw and insert the cable ends, then tighten the screws. When finished, slightly tug the cables to check they are sufficiently tight.
4. Operation at low temperatures may cause a visible decline in the response speed of the display. This should be considered normal and does not indicate a malfunction.

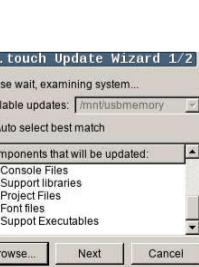
Switching on the first time

At startup, the terminal will show a screen to select Runtime mode or Browser mode.



HMI Runtime and/or application update

Copy the update package (.ZIP file) containing the runtime or application, or both, depending on the options selected when generating the "Update package" using c.touch, to a USB pen drive and then plug the pen drive into the pGDx and hold the pGDx terminal screen for a few seconds until the shortcut menu is displayed; this can be disabled in the application (see the figure on the side):



Select "Update..." to start the Runtime and/or application update procedure. The update utility will start and the following window will be displayed:



Then follow the guided procedure, selecting the file saved on the USB pen drive and clicking the next button to confirm.

