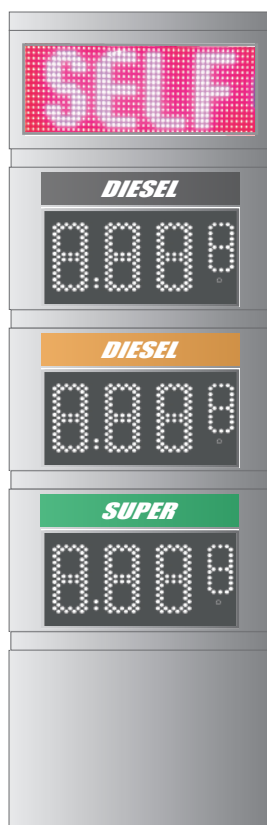


COMPOSITION OF A MINI TOTEM



Description

HDP COMPACT is a complete LED system for displaying fuel prices, service messaging and illumination of fuel indicators. Its compactness and reduced thickness make it suitable for integration into single- and double-sided mini totems cabinet. The range of price displays available includes the following sizes: 10 cm., 12 cm., and 15 cm character height, LED bars with optics for backlighting the product indicator and the graphic panel for service messaging. The very simple and intuitive wiring allows for quick and safe installation.

All system management is performed by a single control board PG BASE whose functions are:

- Multicolor Graphical LED panel control.
- Control of the various price LED displays (maximum 4 displays per side).
- Control of the LED bars for the backlighting of the product indicators
- Communication with the petrol station PC (with all available communication protocols) and the remote control.
- Automatic and synchronized brightness adjustment for all system displays.

Graphic LED panel 7 colors, available models:

- 1) HGM7-32X16-P10 i
- 2) HGM7-32X16-P10 i



Price LED display, available models:

- 1) HDP10-2S
- 2) HDP10P-2S
- 3) HDP12-2S
- 4) HDP12P-2S
- 5) HDP15-2S
- 6) HDP15P-2S

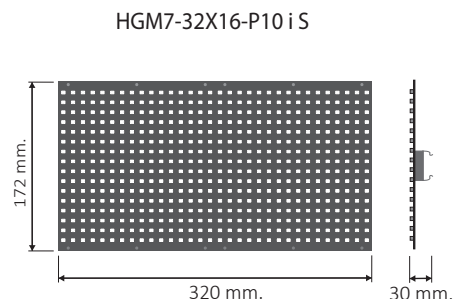
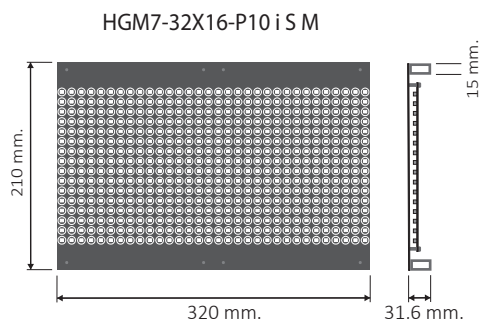


LED bars for backlighting


- 1) HB30A-4W15



GRAPHIC LED PANEL 7 COLORS - 32X16 PIXEL



Technical Features

Model with front mask	cod. G 100 000341	HGM7-32X16-P10 i S M
Model without front mask	cod. G 100 000321	HGM7-32X16-P10 i S
Operating voltage	DC 5 V	
Power consumption (when all white)	66 W	
Graphic resolution	32 x 16 pixel	
LED pitch	10 mm.	
LED per pixel	1	
LED type	RGB	
Screen dimension (S M model)	320 x 210 mm.	
Dimensione schermo (S model)	320 x 172 mm.	
Colors	7	
Characters per page	10	
Available messages number	99	
GIF animations	Si	
LED quantity	512	
Viewing angle	120°	
Operating temperature range	40 C° ~ +70 C°	
Storage temperature range	+5 C° ~ +40 C°	
Storage humidity range	RH < 60%	
Life Time (temperature Tc = 75 °C)	100.000h (L70)	
Power supply 230V - 5VDC	NOT INCLUDED	
Control board PG BASE	NOT INCLUDED	
Warranty (See terms and conditions)	 3 Years	

Description

LED graphic panel 7 colors is suitable for service messaging. The panel is available in two versions: "SM" with front mask with the LED modules are mounted on rectangular aluminum brackets; "S" without front mask with LED modules supplied loose.

Suitable for installation in the mini totem cabinet of the petrol station, functioning in combination with the HDP-S2 series LED fuel price displays described in this technical specification, the brightness is synchronized with that of the LED fuel price displays, in case of autonomous operation, the sensor must be added brightness, model: SLUX01.

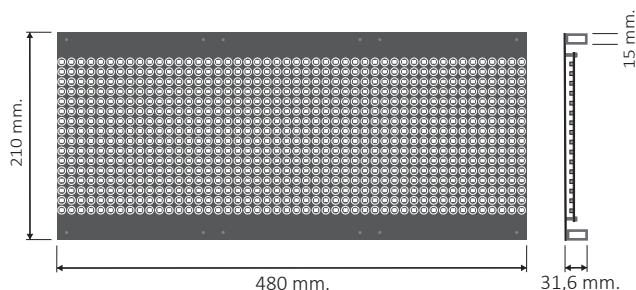
Graphic or text messages can be displayed in many modes as: static, scrolling, curtain appearance, insert from top or bottom, fade, random appearance and others...

The main messages such as: SELF, SERV, CLOSED, OPEN, STATIC or ANIMATED ARROWS RIGHT, LEFT or BOTH are already stored in the memory of the control board. Upon request, it is possible to customize and insert any additional messages with ad hoc texts and graphics within the limit allowed by the graphic resolution of the panel, this service is evaluated separately. The messages can be recalled with the remote control of LED fuel price display RDC, or through the connection to the PC of petrol station (when the LED graphic panel 7 colors is connected to the HDP control board), or use a PC with ledprog software with which it is possible to create text programs and graphs independently.

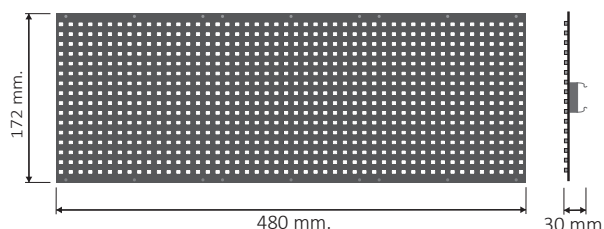


GRAPHIC LED PANEL 7 COLORS - 48X16 PIXEL


HGM7-48X16-P10 i S M



HGM7-32X16-P10 i S



Technical Features

Model with front mask	cod. G 100 000343	HGM7-48X16-P10 i S M
Model without front mask	cod. G 100 000342	HGM7-48X16-P10 i S
Operating voltage	DC 5 V	
Power consumption (when all white)	100 W	
Graphic resolution	48 x 16 pixel	
LED pitch	10 mm.	
LED per pixel	1	
LED type	RGB	
Screen dimension (S M model)	480 x 210 mm.	
Dimensione schermo (S model)	480 x 172 mm.	
Colors	7	
Characters per page	16	
Available messages number	99	
GIF animations	Si	
LED quantity	768	
Viewing angle	120°	
Operating temperature range	40 C° ~ +70 C°	
Storage temperature range	+5 C° ~ +40 C°	
Storage humidity range	RH < 60%	
Life Time (temperature Tc = 75 °C)	100.000h (L70)	
Power supply 230V - 5VDC	NOT INCLUDED	
Control board PG BASE	NOT INCLUDED	
Warranty (See terms and conditions)	 3 Years	

Description

LED graphic panel 7 colors is suitable for service messaging. The panel is available in two versions: "SM" with front mask wich the LED modules are mounted on rectangular aluminum brackets; "S" without front mask with LED modules supplied loose.

Suitable for installation in the mini totem cabinet of the petrol station, functioning in combination with the HDP-S2 series LED fuel price displays described in this technical specification, the brightness is synchronized with that of the LED fuel price displays, in case of autonomous operation, the sensor must be added brightness, model: SLUX01.

Graphic or text messages can be displayed in many modes as: static, scrolling, curtain appearance, insert from top or bottom, fade, random appearance and others...

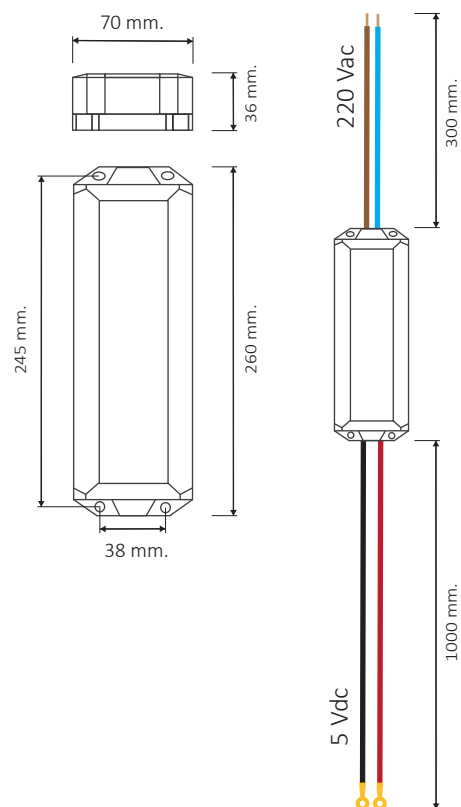
The main messages such as: SELF, SERV, CLOSED, OPEN, STATIC or ANIMATED ARROWS RIGHT, LEFT or BOTH are already stored in the memory of the control board. Upon request, it is possible to customize and insert any additional messages with ad hoc texts and graphics within the limit allowed by the graphic resolution of the panel, this service is evaluated separately. The messages can be recalled with the remote control of LED fuel price display RDC, or through the connection to the PC of petrol station (when the LED graphic panel 7 colors is connected to the HDP control board), or use a PC with ledprog software with which it is possible to create text programs and graphs independently.



POWER SUPPLY FOR GRAPHIC PANEL 7 COLORS

Technical features

Model	HA200-5
Code	ALI 000208
Availability	NT INCLUDED
INPUT Voltage :	175 - 264 Vac
OUTPUT Voltage	5 VDC
Power	200 W
PFC @230Vac 80% load	≥0.91
Immunity (Surge)	L-N 4KV L/N-GE6kV
Overload protection (OLP)	110-120% nominal power
Overtemperature protection (OTP)	115° C; automatic restoration
Other protections	Short circuit, Overvoltage
IP level	IP66/IP67
CE	RMC - EN 55032/22 Class A, LDV - EN 60950
Operating temperature range	-30° + 55° C (70°C load 50%)
Dimension	260*70*36mm (LWH)
Input cord	400 mm ; Pre-tinned wire termination
Output wires	1000 mm ; Ring termination



⚠ WARNING !!!

- The two red and black 5 Vdc output wires (1000 mm.) must absolutely not be lengthened..
- The connection to the power line must be performed by qualified personnel and must be carried out in compliance with current regulations.

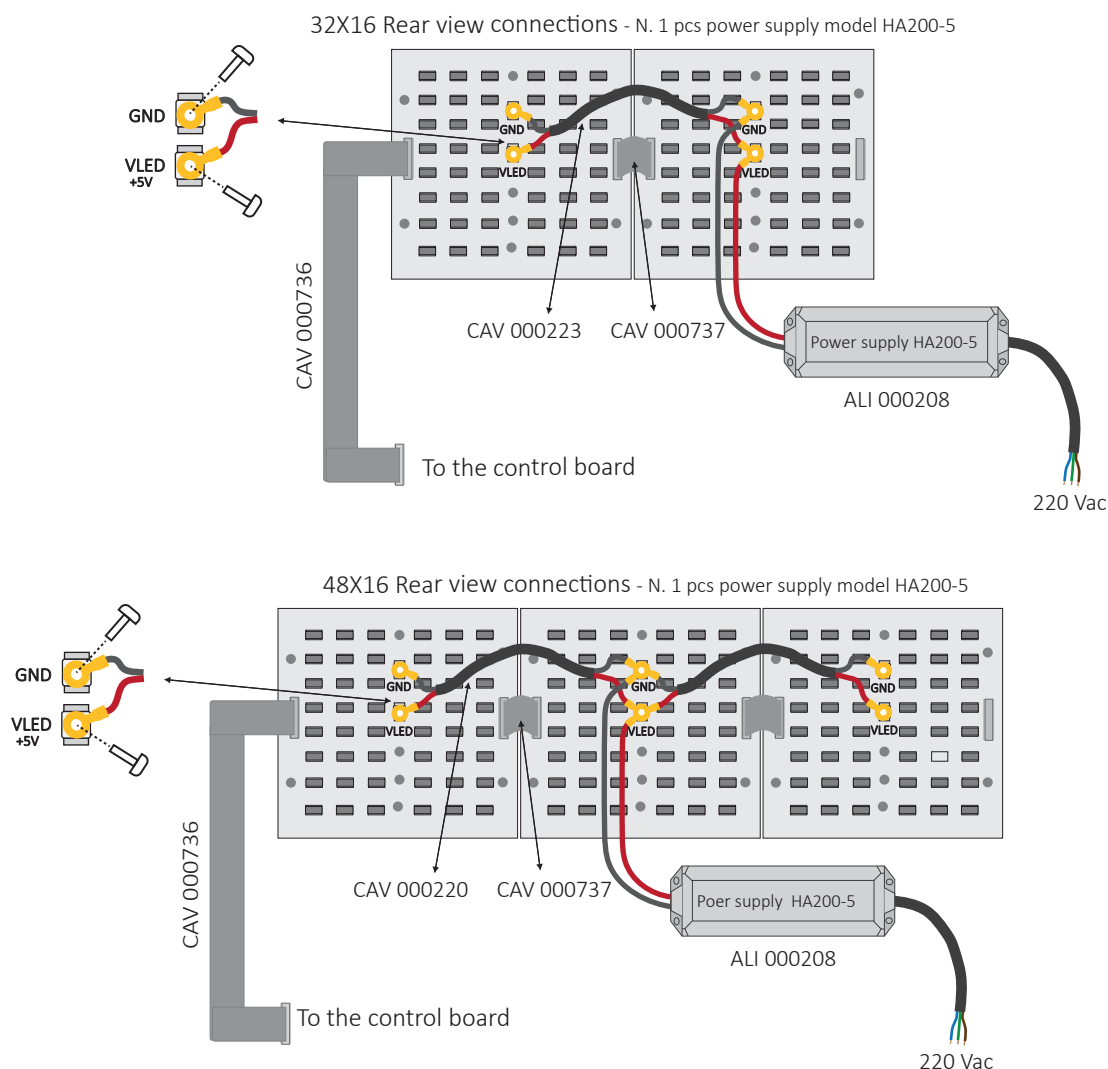
Cables specification

Code	Lenght	Availability	Description
Cod. CAV 000736	550 mm.	INCLUDED	20-pin flat cable for digital signal, connection of graphic display to control board.
Cod. CAV 000737	40 mm.	INCLUDED	20-pole flat cable for digital signal, connection between LED modules
Cod. CAV 000223	260 mm.	INCLUDED	Wiring with red-black wires for powering 2 LED modules, VLED GND
Cod. CAV 000220	520 mm.	INCLUDED	Wiring with red-black wires for powering 3 LED modules, VLED GND
Cod. CAV 000254	360 mm.	NOT INCLUDED	Price display connection cable to PG BASE (please choose the ideal size - short type)
Cod. CAV 000269	500 mm.	NOT INCLUDED	Price display connection cable to PG BASE (please choose the ideal size - medium type)
Cod. CAV 000266	700 mm.	NOT INCLUDED	Price display connection cable to PG BASE (pleasechoose the ideal size - long type)

⚠ WARNING !!!

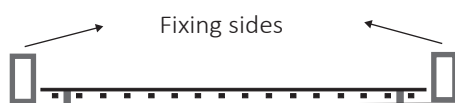
- The connection cables of the price display with the PG BASE control board must be chosen from the 3 available sizes, see the above table.

WIRING AND FIXING OF THE LED PANEL 7 COLORS



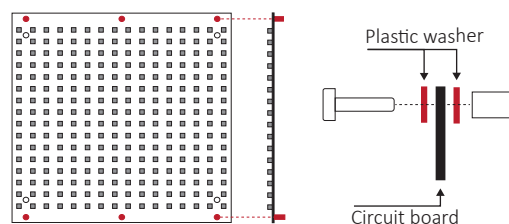
⚠ WARNING- FIXING MODEL: SM

The LED panel can be fixed to a structure by mounting angle pieces with self-drilling screws on the fixing points indicated, avoiding drilling or mechanically stressing the electronic board. Remove any metal shavings before powering up the display.

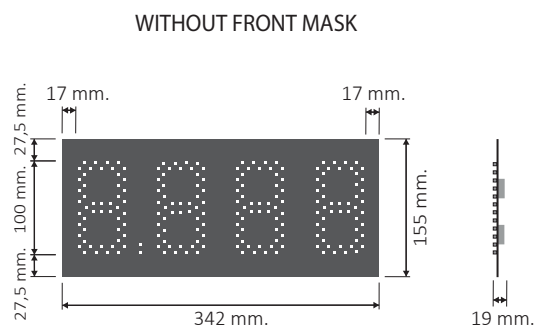
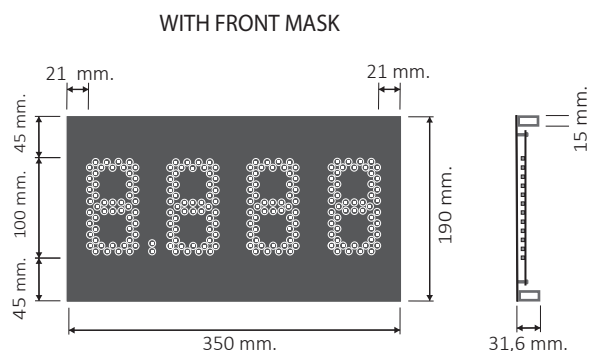


⚠ WARNING- FIXING MODEL: S

Use the holes marked in red for fixing, keep a gap between the module and metal bracket using plastic spacers 5/10 mm. If using metal spacers insert plastic washers on both sides of the circuit board.




LED FUEL PRICE DISPLAY MODEL: HDP10-2S



Model	Code	Details
HDP10-2S-A-WSMD-4	D 100 002470	With front mask - White LED
HDP10-2S-A-RSMD-4	D 100 002471	With front mask - Red LED
HDP10-2S-A-ASMD-4	D 100 002472	With front mask - Amber LED
HDP10-2S-A-GSMD-4	D 100 002473	With front mask - Green LED
HDP10-2S-B-WSMD-4	D 100 002474	Without front mask - White LED
HDP10-2S-B-RSMD-4	D 100 002475	Without front mask - Red LED
HDP10-2S-B-ASMD-4	D 100 002476	Without front mask - Amber LED
HDP10-2S-B-GSMD-4	D 100 002477	Without front mask - Green LED

Technical Features

Operating voltage	DC 15 V
Consumption	12,2 W
IP level	IP52
Operating temperature range	40 C° ~ +70 C°
Storage temperature range	+5 C° ~ +40 C°
Storage humidity range	RH < 60%
Over-temperature protection threshold	+75 C°
Viewing angle	120°
LED quantity	202
Life time (temperature Tc = 75 °C)	100.000h (L70)
Warranty (See terms and conditions)	 3 Years

Description

LED fuel price display with 4 digits, height 100 mm. SMD LEDs suitable for continuous operation 24h/day with exposure to UV sunlight. The boards are coated with a special silicone resin, whose formula keeps it elastic over time, avoiding cracking and infiltrations. A heat-insulating sun front mask is placed to protect the LEDs and electronic components.

Technical characteristics of LED

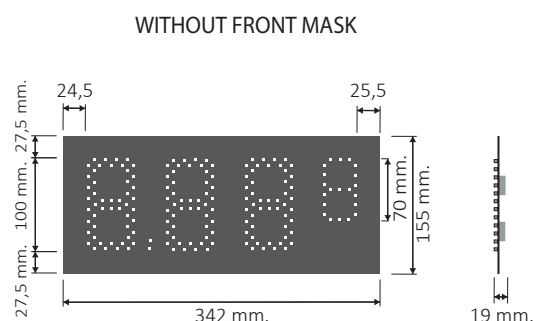
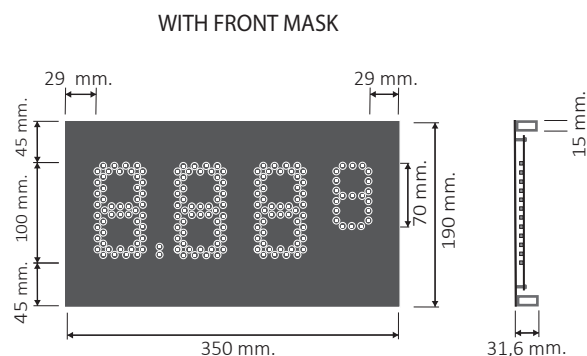
Color	Luminosity
White 6500k	3200 MCD
Amber	2270 MCD
Red	1000 MCD
Green	1200 MCD

NOTE:

The version without front mask is recommended only for applications where the front mask consists of perforated film applied to the protection plexiglass or a panel perforated by the customer, to get the drilling files corresponding to the LEDs, please contact our technical office.




LED FUEL PRICE DISPLAY MODEL: HDP10P-2S



Model	Code	Details
HDP10P-2S-A-WSMD-4	D 100 002478	With front mask - White LED
HDP10P-2S-A-RSMD-4	D 100 002479	With front mask - Red LED
HDP10P-2S-A-ASMD-4	D 100 002480	With front mask - Amber LED
HDP10P-2S-A-GSMD-4	D 100 002481	With front mask - Green LED
HDP10P-2S-B-WSMD-4	D 100 002482	Without front mask - White LED
HDP10P-2S-B-RSMD-4	D 100 002483	Without front mask - Red LED
HDP10P-2S-B-ASMD-4	D 100 002484	Without front mask - Amber LED
HDP10P-2S-B-GSMD-4	D 100 002485	Without front mask - Green LED

Technical Features

Operating voltage	DC 15 V
Consumption	10,8 W
IP level	IP52
Operating temperature range	40 C° ~ +70 C°
Storage temperature range	+5 C° ~ +40 C°
Storage humidity range	RH < 60%
Over-temperature protection threshold	+75 C°
Vewing angle	120°
LED quantity	173
Life time (temperature Tc = 75 °C)	100.000h (L70)
Warranty (See terms and conditions)	 3 Years

Description

LED fuel price display with 3 digits, height 100 mm. and the rightmost digit height 70 mm.

SMD LEDs suitable for continuous operation 24h/day with exposure to UV sunlight. The boards are coated with a special silicone resin, whose formula keeps it elastic over time, avoiding cracking and infiltrations. A heat-insulating sun front mask is placed to protect the LEDs and electronic components.

Technical characteristics of LED

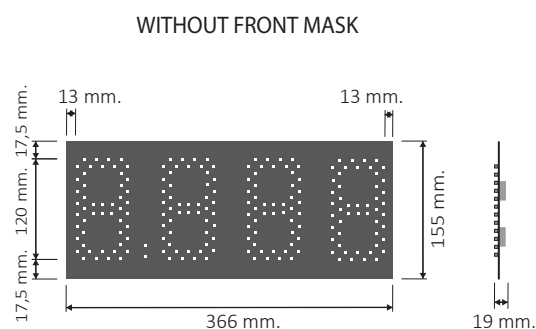
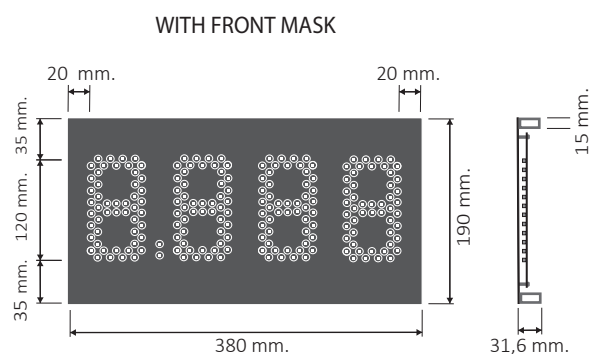
Color	Luminosity
White 6500k	3200 MCD
Amber	2270 MCD
Red	1000 MCD
Green	1200 MCD

NOTE:

The version without front mask is recommended only for applications where the front mask consists of perforated film applied to the protection plexiglass or a panel perforated by the customer, to get the drilling files corresponding to the LEDs, please contact our technical office.



LED FUEL PRICE DISPLAY MODEL: HDP12-2S



Model	Code	Details
HDP12-2S-A-WSMD-4	D 100 002486	With front mask - White LED
HDP12-2S-A-RSMD-4	D 100 002487	With front mask - Red LED
HDP12-2S-A-ASMD-4	D 100 002488	With front mask - Amber LED
HDP12-2S-A-GSMD-4	D 100 002489	With front mask - Green LED
HDP12-2S-B-WSMD-4	D 100 002490	Without front mask - White LED
HDP12-2S-B-RSMD-4	D 100 002491	Without front mask - Red LED
HDP12-2S-B-ASMD-4	D 100 002492	Without front mask - Amber LED
HDP12-2S-B-GSMD-4	D 100 002493	Without front mask - Green LED

Description

LED fuel price display with 4 digits, height 120 mm. SMD LEDs suitable for continuous operation 24h/day with exposure to UV sunlight. The boards are coated with a special silicone resin, whose formula keeps it elastic over time, avoiding cracking and infiltrations. A heat-insulating sun front mask is placed to protect the LEDs and electronic components.

Technical characteristics of LED

Color	Luminosity
White 6500k	3200 MCD
Amber	2270 MCD
Red	1000 MCD
Green	1200 MCD

NOTE:

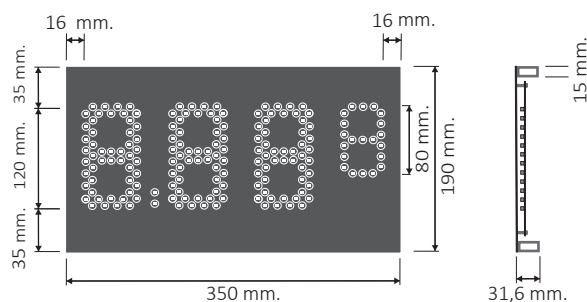
The version without front mask is recommended only for applications where the front mask consists of perforated film applied to the protection plexiglass or a panel perforated by the customer, to get the drilling files corresponding to the LEDs, please contact our technical office.

	DC 15 V
	12,2 W
	IP52
Garanzia (Vedi termini e condizioni)	40 C° ~ +70 C°
	+5 C° ~ +40 C°
	RH < 60%
	+75 C°
	120°
Garanzia (Vedi termini e condizioni)	202
	100.000h (L70)
	3 Years

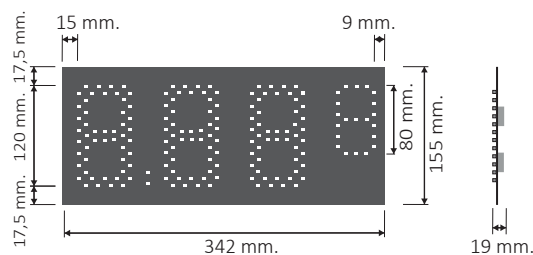


LED FUEL PRICE DISPLAY MODEL: HDP12P-2S

WITH FRONT MASK




WITHOUT FRONT MASK



Model	Code	Details
HDP12P-2S-A-WSMD-4	D 100 002494	With front mask - White LED
HDP12P-2S-A-RSMD-4	D 100 002495	With front mask - Red LED
HDP12P-2S-A-ASMD-4	D 100 002496	With front mask - Amber LED
HDP12P-2S-A-GSMD-4	D 100 002497	With front mask - Green LED
HDP12P-2S-B-WSMD-4	D 100 002387	Without front mask - White LED
HDP12P-2S-B-RSMD-4	D 100 002498	Without front mask - Red LED
HDP12P-2S-B-ASMD-4	D 100 002499	Without front mask - Amber LED
HDP12P-2S-B-GSMD-4	D 100 002500	Without front mask - Green LED

Technical Features

Operating voltage	DC 15 V
Consumption	10,8 W
IP level	IP52
Operating temperature range	40 C° ~ +70 C°
Storage temperature range	+5 C° ~ +40 C°
Storage humidity range	RH < 60%
Over-temperature protection threshold	+75 C°
Viewing angle	120°
LED quantity	173
Life time (temperature Tc = 75 °C)	100.000h (L70)
Warranty (See terms and conditions)	 3 Years

Description

LED fuel price display with 3 digits, height 120 mm. and the rightmost digit height 80 mm.

SMD LEDs suitable for continuous operation 24h/day with exposure to UV sunlight. The boards are coated with a special silicone resin, whose formula keeps it elastic over time, avoiding cracking and infiltrations. A heat-insulating sun front mask is placed to protect the LEDs and electronic components.

Technical characteristics of LED

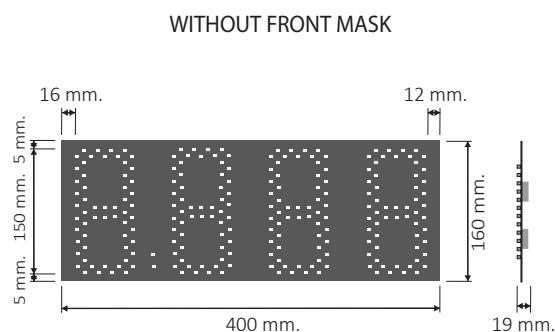
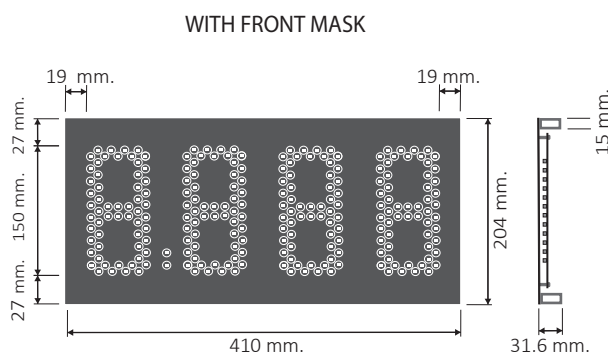
Color	Luminosity
White 6500k	3200 MCD
Amber	2270 MCD
Red	1000 MCD
Green	1200 MCD

NOTE:

The version without front mask is recommended only for applications where the front mask consists of perforated film applied to the protection plexiglass or a panel perforated by the customer, to get the drilling files corresponding to the LEDs, please contact our technical office.




LED FUEL PRICE DISPLAY MODEL: HDP15-2S



Model	Code	Details
HDP15-2S-A-WSMD-4	D 100 002501	With front mask - White LED
HDP15-2S-A-RSMD-4	D 100 002502	With front mask - Red LED
HDP15-2S-A-ASMD-4	D 100 002503	With front mask - Amber LED
HDP15-2S-A-GSMD-4	D 100 002504	With front mask - Green LED
HDP15-2S-B-WSMD-4	D 100 002505	Without front mask - White LED
HDP15-2S-B-RSMD-4	D 100 002506	Without front mask - Red LED
HDP15-2S-B-ASMD-4	D 100 002507	Without front mask - Amber LED
HDP15-2S-B-GSMD-4	D 100 002508	Without front mask - Green LED

Technical Features

Operating voltage	DC 15 V
Consumption	16 W
IP level	IP52
Operating temperature range	40 C° ~ +70 C°
Storage temperature range	+5 C° ~ +40 C°
Storage humidity range	RH < 60%
Over-temperature protection threshold	+75 C°
Vewing angle	120°
LED quantity	234
Life time (temperature Tc = 75 °C)	100.000h (L70)
Warranty (See terms and conditions)	 3 Years

Description

LED fuel price display with 4 digits, height 150 mm. SMD LEDs suitable for continuous operation 24h/day with exposure to UV sunlight. The boards are coated with a special silicone resin, whose formula keeps it elastic over time, avoiding cracking and infiltrations. A heat-insulating sun front mask is placed to protect the LEDs and electronic components.

Technical characteristics of LED

Color	Luminosity
White 6500k	3200 MCD
Amber	2270 MCD
Red	1000 MCD
Green	1200 MCD

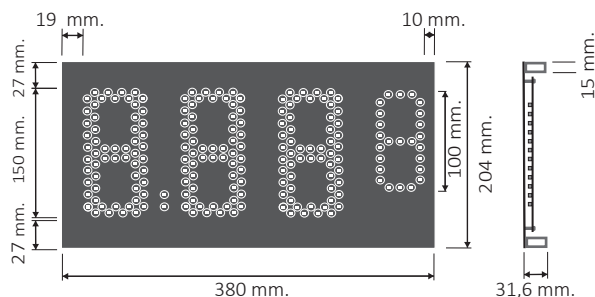
NOTE:

The version without front mask is recommended only for applications where the front mask consists of perforated film applied to the protection plexiglass or a panel perforated by the customer, to get the drilling files corresponding to the LEDs, please contact our technical office.

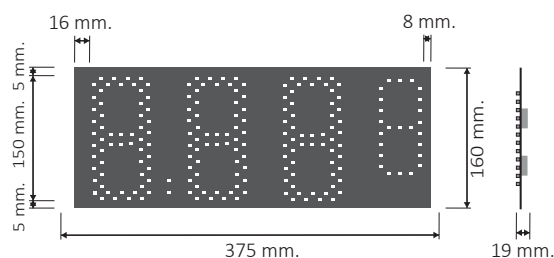


LED FUEL PRICE DISPLAY MODEL: HDP15P-2S

WITH FRONT MASK




WITHOUT FRONT MASK



Model	Code	Details
HDP15P-2S-A-WSMD-4	D 100 00	With front mask - White LED
HDP15P-2S-A-RSMD-4	D 100 00	With front mask - Red LED
HDP15P-2S-A-ASMD-4	D 100 00	With front mask - Amber LED
HDP15P-2S-A-GSMD-4	D 100 00	With front mask - Green LED
HDP15P-2S-B-WSMD-4	D 100 00	Without front mask - White LED
HDP15P-2S-B-RSMD-4	D 100 00	Without front mask - Red LED
HDP15P-2S-B-ASMD-4	D 100 00	Without front mask - Amber LED
HDP15P-2S-B-GSMD-4	D 100 00	Without front mask - Green LED

Technical Features

Operating voltage	DC 15 V
Consumption	15 W
IP level	IP52
Operating temperature range	40 C° ~ +70 C°
Storage temperature range	+5 C° ~ +40 C°
Storage humidity range	RH < 60%
Over-temperature protection threshold	+75 C°
Viewing angle	120°
LED quantity	201
Life time (temperature Tc = 75 °C)	100.000h (L70)
Warranty (See terms and conditions)	 3 Years

Description

LED fuel price display with 3 digits, height 150 mm. and the rightmost digit height 100 mm.

SMD LEDs suitable for continuous operation 24h/day with exposure to UV sunlight. The boards are coated with a special silicone resin, whose formula keeps it elastic over time, avoiding cracking and infiltrations. A heat-insulating sun front mask is placed to protect the LEDs and electronic components.

Technical characteristics of LED

Color	Luminosity
White 6500k	3200 MCD
Amber	2270 MCD
Red	1000 MCD
Green	1200 MCD

NOTE:

The version without front mask is recommended only for applications where the front mask consists of perforated film applied to the protection plexiglass or a panel perforated by the customer, to get the drilling files corresponding to the LEDs, please contact our technical office.



POWER SUPPLIES AND CABLES FOR LED FUEL PRICE DISPLAY

The tables indicate how many and which model of power supplies are required and to which terminals of the PG BASE board they must be connected.

For example, a 2+2 system, so, 2 pcs HDP15-2S LED displays per side (double-sided), requires an HLG-150H-15 power supply which must be connected to the +V1-GND screws terminals of the PG BASE board.

Code	Models of available power supplies	LED fuel price display quantity	Power supply unit
D 100 001240	LPF-60-15 Wired	1+0 HDP10-2S; HDP12-2S; HDP15-2S	LPF-60-15
D 100 001241	HLG-150H-15A Wired	1+1 HDP10-2S; HDP12-2S; HDP15-2S	LPF-60-15
D 100 001242	HLG-240-15 Wired	2+0 HDP10-2S; HDP12-2S; HDP15-2S	LPF-60-15
D 100 001243	HLG-320-15 Wired	2+2 HDP10-2S; HDP12-2S; HDP15-2S	HLG-150H-15
		3+0 HDP10-2S; HDP12-2S; HDP15-2S	LPF-60-15
		3+3 HDP10-2S; HDP12-2S; HDP15-2S	HLG-150H-15
		4+0 HDP10-2S; HDP12-2S; HDP15-2S	HLG-150H-15
		4+4 HDP10-2S; HDP12-2S ---	HLG-150H-15
		4+4 HDP15-2S --- ---	HLG-240-15

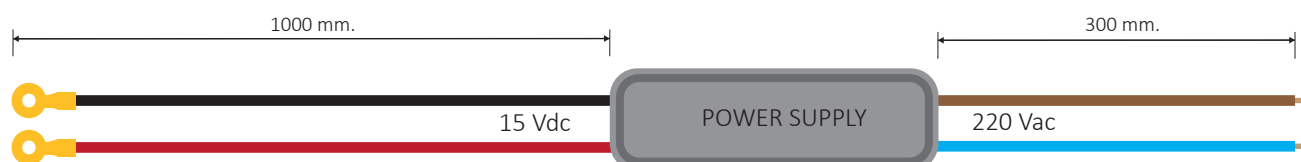
The wiring of the power supplies

INPUT 220 Vac - the length of the 220 Vac input cord is 300 mm.

OUTPUT 15 Vdc - the length of the two black and red wires is 1000 mm. The wires have a ring termination and must be connected firmly to the terminals block on the PG BASE board respecting the polarity.

⚠ WARNING !!!

- The two red and black 15 Vdc output wires (1000 mm.) must absolutely not be lengthened.
- The connection to the line must be performed by qualified personnel and must be carried out in compliance with current regulations.



LED BAR MOD. HB30A-4W15-S



Description

The LED bar HB30A is suitable for the backlighting of the fuel indicators present on the mini totem of service stations, the exclusive optics with prisms allow to reduce the distance between the plexiglass surface and LEDs, minimum 30 mm while maintaining the uniform brightness over the entire surface.


The LED bar can be connected directly to the connector on the "2S" series fuel price LED displays and is automatically switched on and off by the system.

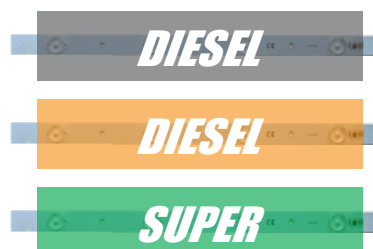
Benefits

- The particular prismatic optic guarantees perfect uniformity of light,
- Minimizes light loss, increasing efficiency.
- The 3M adhesive offers greater speed and safety in the installation operations, contributing to the reduction of costs.
- The production date is printed on the product for traceability.

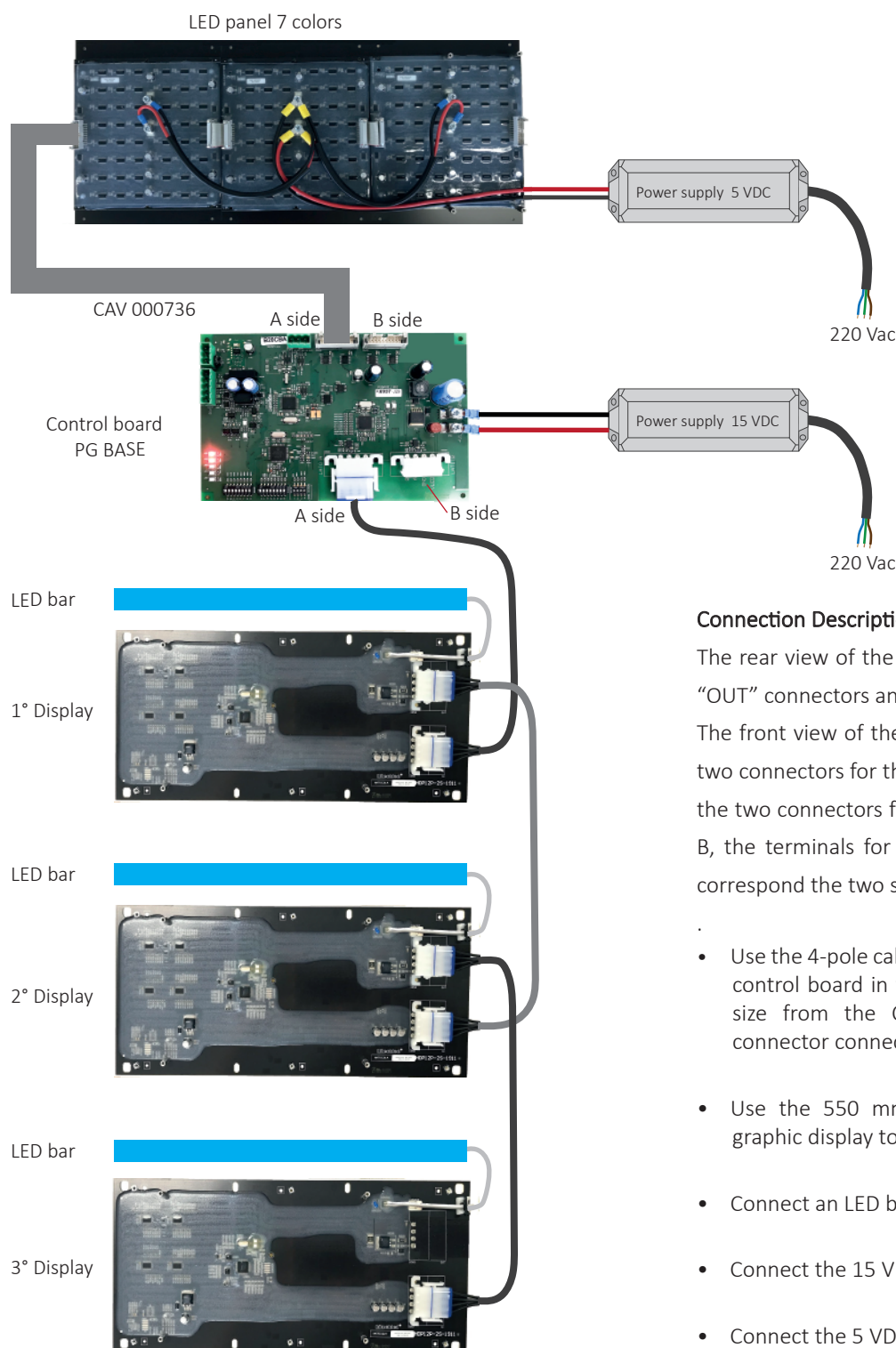
Model	Code
HB30A-4W15-S	HTL 000700

Technical features

Operating voltage	DC 15 V
Wattage	3,2 W
CCT	6500/7000 K
Luminous flux	222 Lumen
IP Protection level	IP 52
Operating temperature range	40 C° ~ +60 C°
Storage temperature range	+5 C° ~ +40 C°
Storage humidity range	RH < 60%
Viewing angle	170° Prismi
Life time (temperature Tc = 75 °C)	100.000h (L70)
Warranty (See term and conditions)	 3 Years



WIRING EXAMPLE OF A 3 PRODUCT SYSTEM



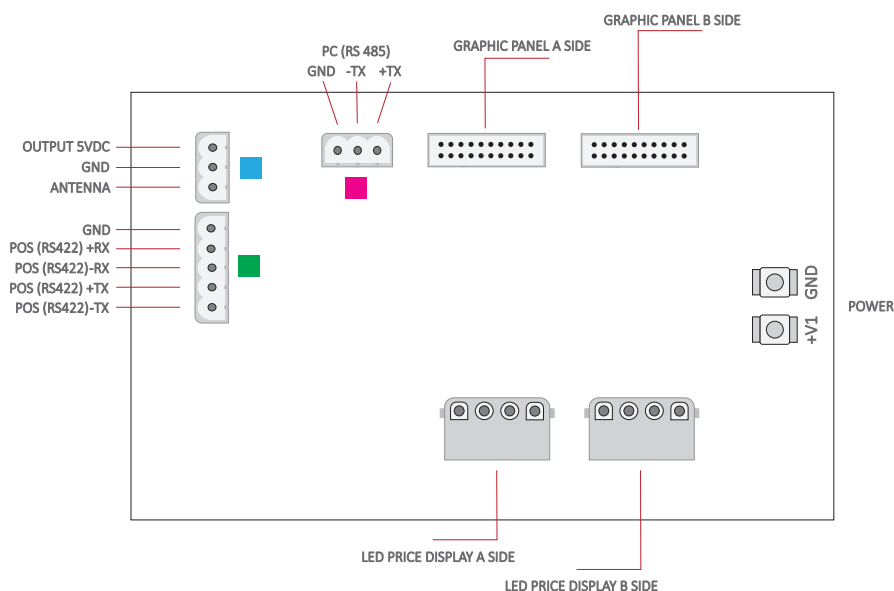
Connection Description

The rear view of the LED price display highlights the 2 “IN” “OUT” connectors and the connector for the LED bar.

The front view of the PG BASE control board highlights the two connectors for the LED price displays, side A and side B, the two connectors for the graphic displays, side A and side B, the terminals for the power supply (side A and Side B correspond the two sides of the totem).

- Use the 4-pole cables to connect the price displays to the control board in the sequence, choose the appropriate size from the Cable specifications table. The OUT connector connects to the IN connector.
- Use the 550 mm 20-pole flat cable to connect the graphic display to the PG BASE board.
- Connect an LED bar to each price display.
- Connect the 15 VDC power supply to the PG BASE board.
- Connect the 5 VDC power supply to the graphic display.

PG BASE- CONNECTIONS



How to connect the cable in RS422 mode and RS485 mode, for communication to POS . Use LAN cable type CAT 5



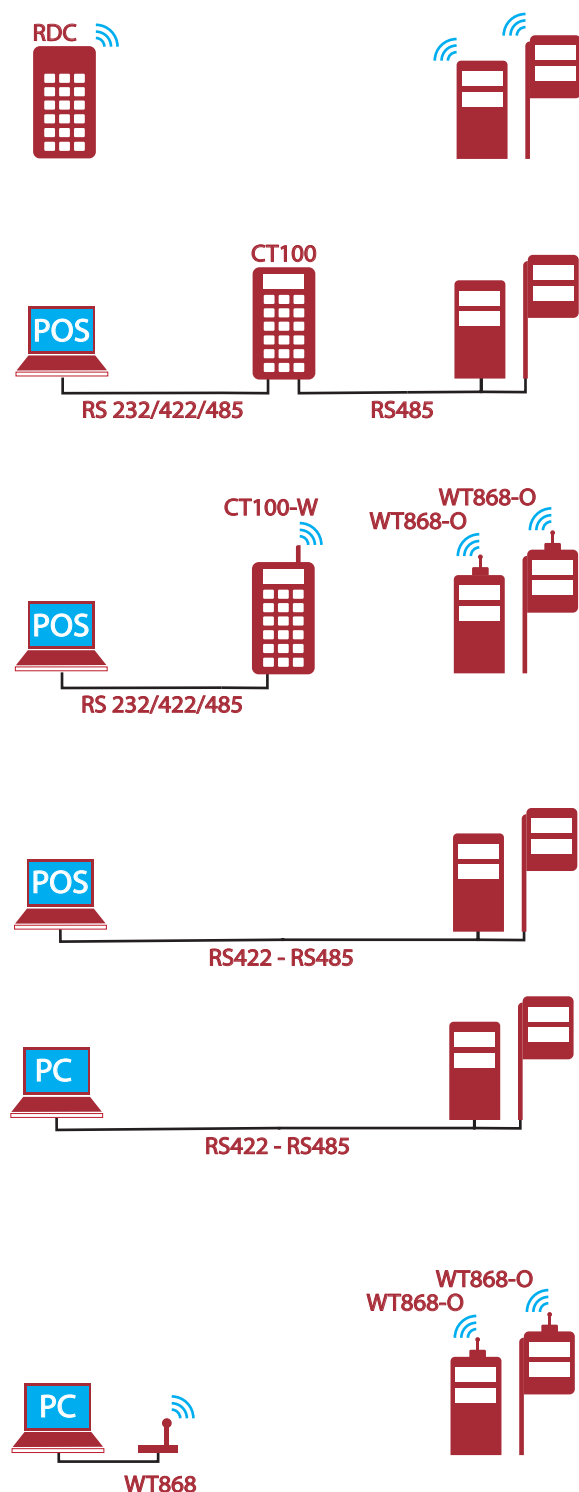
How to connect the cable RS485 serial port for communication to graphic panel



Optional- Antenna for RDC receiving signal. Add the external antenna if the PG BASE board is placed in a place shielded from metal parts.



PROGRAMMING



Remote RDC

Remote control for manual programming of LED displays, manage the messages from text or graphic panels (if present) and many other setting functions.

Keyboard CT100

The CT100 LCD keypad allows you to program LED displays and manage the messages from textual or graphic panels (if present), or it can become transparent allowing programming directly from POS via communication protocols, or both modes at the same time, use a category 5 LAN cable (length maximum cable length: 1000 m).

Keyboard CT100-W

The CT100-W LCD keypad allows you to program LED displays and manage messages from textual or graphic panels (if present), or it can become transparent allowing programming directly from POS via communication protocols, or both modes at the same time. use category 5 lan cable to connect CT100-W and POS, while between CT100-W and LED display the connection is wireless. The range is approximately 100 linear meters in open field (must be use a receiver WT 868-O for each display system).

Wired POS or PC

Programmation of one or more LED display systems by POS/PC through connection of category 5 LAN cable (max. cable lenght: 1000m). In case of POS all communication protocols listed on the next page are available, in case of PC the software LEDPROG must be intalled , the remote control can be used at the same time. If necessary add a CONV-SU01 for RS422 serial (optional).

Wireless PC

Wireless Programming of one or more LED display systems from PC using WT868 and WT868-O, the range is approximately 100 linear meters in open field. Suitable for use with LED PROG software, the remote control can be used at the same time.

AVAILABLE COMMUNICATION PROTOCOLS

hitechled®

- PC LEDPRO
- HITECH 1200Hz
- OMV



- TOKHEIM KA (KOPPENS AUTOMATIC) ver. 4.2
- TOKHEIM JUPITER ST 39

PROEDA
DATENMANAGEMENT

- PROEDA V21-02-01/CK



- LOGITRON GILBARCO 70RPLSUPSIT.E04 (PASSPORT EUROPE)
- ENI
- GILBARCO ESTESO



- SCHEIDT & BACHMANN V11

SCHENK

- SCHENK 68000/68020 ver.2.02 2400 BAUD RATE
- SCHENK 68000/68020 ver.2.02 4800 BAUD RATE



- WAYNE DRESSER SYSTEM MARKETER PIGNONE SM2000/3000
- WAYNE DRESSER NUCLEUS 8 (1200 BAUD RATE MONODIREZIONALE)
- WAYNE DRESSER NUCLEUS 9 (9600 BAUD RATE BIDIREZIONALE)
- HITECH_PIGNONE-TON1070S
- ENI
- WAYNE DRESSER ESTESO BIDIREZIONALE



- IFSF LON WORK (It needs an additional interface)



- MASER AUTOMATION



- LAFON - MAGIC 2000

Fortech®

- FORTECH



- ALVIC

ACCESSORI

RDC



CT100



CT100-W



WT868-O



CONV_SU01



WT868



YAGI868



ANT433-4



Code	Models	Description
D 100 001032	RDC	Remote control
D 100 002322	CT100	Wired Keyboard
D 100 002582	CT100-W	Wireless Keyboard
D 100 002583	WT868-O	Wireless receiving unit
D 100 002200	CONV_SU01	USB - RS422 Converter
D 100 002271	WT868	Wireless for PC

Code	Model	Description
D 100 002285	YAGI868	Yagi Antenna
O 091 000405	ANT433-4	Additional antenna for RDC