

USERS MANUEL



DRAFT CONTROL

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PREFACE

Control Plus G.L. develops and manufactures high quality liquor control devices and draft beer monitors. Our company develops cost efficient solutions that are used around the world we have installations across North America, the Caribbean and in Europe.

Control Plus G.L. offers a complete bar control solution allowing the end user to precisely monitor soft drinks, liquor and wine. All our monitoring devices offer communication options that allow us to interface to cash registers, printers and point of sale systems.



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Intro

DRAFT CONTROL

This device is designed to accurately monitor the flow of draft beer or wine in bulk. This unit offers the possibility of four programmable portions on upto sixteen lines of beer or wine. These lines are precisely monitored using digital flowmeters to ensure accuracy. The draft control unit allows for eight daily price levels, reporting on demand or at pre-determined times, and a choice of four languages (English, French, Spanish, or portugese). This device is compatable with most cash rehisters, point of sale systems, computers, and printers.

UNPACKING


Each box contains the following:


- Liquor control device
- Mounting bracket


Additional items required not included.

- Digital flowmeters
- Ultrasonic flowmeters (available)
- Tubing connectors or couplers

HELPFUL DO'S AND DON'TS


 - Do not install the unit near a source of running water

 - Do not install the unit near a heat source


 - At all times keep the power supply dry



- Do not install the unit near a source of static electricity

 - Do not open the unit no user serviceable parts inside

 - Power the unit to a designated, grounded power source.

 - Do not install the unit in a cold room or refrigerator

LET'S GET STARTED

Install the unit in a suitable location using the plastic mounting bracket. Plug the 24v power supply into the back of the unit. Then into the proper power source. Turn the key on the faceplate to the **RUN** position.

RUN

- Normal mode of operation.

PGM

- Programming mode for set-up

P1

- Portion 1 in **RUN** and hundreds in **PGM**.

P2

- Portion 2 in **RUN** and tens in **PGM**.

P3

- Portion 3 in **RUN** and units in **PGM**.

P4

- Portion 4 in **RUN** and next in **PGM**.

Several programming options require the use of a PS2 keyboard (104 keys) moreover many numeric entries are much simpler to enter using a keyboard in programming mode using **P1** and **P4** you can quickly flip through various menus. You may also accomplish this using the right and left arrows on the keyboard. Using keys 2 and 3 allow you to enter these menus.

BASIC OPERATION

In run mode the unit will monitor simply and precisely liquor and wine. Just chose the proper portion, insert the pouring spout into the activator and pour the activator will automatically stop when the portion is complete. (Pour at a 90' angle over the glass.)

In run mode we can also view and print report. But only as a stand alone or interfaced to a printer. Unavailable if linked to an ECR or POS using the unit as a stand alone (without printer) you can not activate price list or price levels.

To view counters

- Press **P1**

To print report

- Press **P1** and **P4** simultaneously.

PROGRAM MODE

To activate turn key to **PGM**

View 1

```
P2-Z2 Report
```

Press **P4**.

View 2

```
P2-Set Options  
P3-Config.Line
```

Press **P4**.

View 3

```
P2-Price Level  
P3-Set Clock
```

Press **P4**.

View 4

```
ID:0710    DB:01  
SERIAL#:  0005L2
```

VIEW 1 PGM

P2- Z2 Report

Press **P2** to print Z2 report. Z2 report is the total of the portions poured per spout and is independent of Z1 report in **RUN** mode. To reset Z2 counters to zero press **P4** or press **P1** to keep totals.

P2-Z2 Report
P3-Sales(Closed)

Reset Counter?
P1-NO P4-yes

VIEW 2 PGM

P2 Options

To configure options see page 11-12

```
P2-Set Options
P3-Config.Spout
```

Press **P2** to configure desired options enters the # that corresponds to your needs or preferences and press **P4** next.

SCREEN 1

```
GENERAL - 001
P123-ADD P4-NEXT
```

SCREEN 2

```
GENERAL2 - 000
P123-ADD P4-NEXT
```

SCREEN 3

```
COMMUN. - 128
P123-ADD P4-NEXT
```

SCREEN 4

```
Price Lv - 001
P123-ADD P4-NEXT
```

SCREEN 5

```
STATION - 001
P123-ADD P4-NEXT
```

SCREEN 6

```
ENGLISH - 001
P123-ADD P4-NEXT
```

SCREEN 7

```
SCRANER - 001
P123-ADD P4-NEXT
```

OPTIONS TABLE

GEN: General Options		Station #	
	Features	1-255	Station #
+1	Sales Open		
+2	Enable Automatic Portions		Choice of Language
+4	Enable Price Level Schedule		
+8	Enable Price List	+0	French
+64	Enable Event Schedule	+1	English
+128	Enable Owner Protected Program (OPP)	+2	Spanish
	Scanner port	+3	Portuguese
+16	Activates ECR Scanner port		
GEN2: General Options 2		SCAN: Scanner/ ECR Interface	
	Inter-PLU Delay		PLU Options
+0	No delay	+1	Send 12 digit PLU (099999 XXXYY)
+32	500ms delay	+0	XY (Portion X, Line Y)
+64	1sec. Delay	+2	1XY (Portion X, Line Y)
+96	1,5 sec. Delay	+4	10XY (Portion X, Line Y)
		+6	100XY (Portion X, Line Y)
		+8	Use PLU Stored in memory
+128	Phase X CRC CCITT-8408		When the ECR Scanner Port is activated
		+16	Activates the check digit required by certain ECRs
	COMM: Communication Options	+32	Adds a prefix byte before the PLU
	Reporting	+64	Removes the line feed (0x0D)
+0	6 extra line feeds at the end of report	+128	Removes the carriage return (0x0A)
+1	9 extra line feeds at the end of report		
+2	12 extra line feeds at the end of report		PREFIX1: Prefix (for SCAN + 32) *
+3	15 extra line feeds at the end of report	+2	CRS3000 Scanner Interface
+4	Will not print out reports while in the RUN mode	+65	Uniwell Scanner interface
			PREFIX2: Prefix (for SCAN + 32) *
	Parity	+2	CRS3000 Scanner Interface
+0	No parity	+65	Uniwell Scanner interface
+16	Odd parity		
+48	Even parity		PRICELV: Price Level Schedule *
		HRS	PLV default and days
	Baud rate	99	DISABLE
+0	1200 Baud rate	00-23	Set Price Level 1
+64	2400 Baud rate	00-23	Set Price Level 2
+8	4800 Baud rate	00-23	Set Price Level 3
+128	9600 Baud rate	00-23	Set Price Level 4
+192	19200 Baud rate	00-23	Set Price Level 5
+72	28800 Baud rate	00-23	Set Price Level 6
+136	38400 Baud rate	00-23	Set Price Level 7
+200	57600 Baud rate	00-23	Set Price Level 8
	PRICELVL: Price Levels		EVNT SC.: Event Schedule *
1-8	Activate that number of price levels	HRS	
		99	DISABLE
		00-23	Close
		00-23	Open
		00-23	Print X2 Report
		00-23	Print Z2 Report
		00-23	Reboot Station

Price level schedule

Once you have activated this option the schedule will come up on the LCD



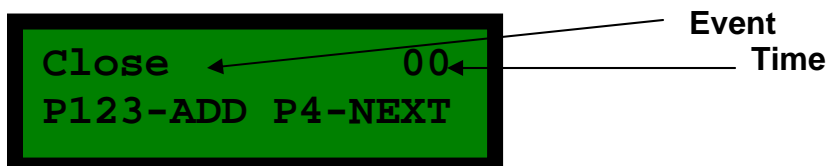
DEF is price level schedule by default for all days of the week. The price levels are applied in reverse order from 8-1. So price level 1 has precedence over 2 and over 3 and so on. A specific day has precedence over default. Each price level can only be used once a day.

Enter time activation of price level (00-23 or 99 to cancel) using **P2/P3** on the faceplate or the numeric keys on a keyboard (0-9). Then record your changes using **P4** on the faceplate or ENTER on the keyboard.

Never leave an option you don't intend to use at 000. Because the unit wills concenter this to be midnight to deactivate enter 99.

Event schedule

When this option is activated the event schedule the LCD will show



Enter hour (00-23 or 99 to deactivate) using **P2/P3** on the faceplate or the numeric keys on a keyboard (0-9).

Never leave an option you don't intend to use at 00. Because the unit wills concenter this to be midnight to deactivate enter 99.

P3 –Conf. Line

```
P2-Set Options
P3-Config.Line
```

Press P3 to configure portions per line

```
# LGN      -    01
P123-MOD P4-SUIV
```

Press P3 on the unit or appropriate number on the keyboard to designate the desired line then P4 or enter on the keyboard to access the next function..

```
Nom De ligne
- - - - -
```

Use the keyboard to enter the line name then enter the the display will show

```
GRACE - 00000
P123-MOD P4-SUIV
```

Press P1/ P2/P3 or the numeric keys on the keyboard to enter the activation delay then P4 to the next programming option (this delay represents the time allotted between stopping and restarting the flow in the same portion to help manage foam)

```
REJET - 0000
P123-MOD P4-SUIV
```

Press P1 / P2 / P3 or the numeric keys on the keyboard to set the allowable overpour (commonly known as a backshot) to adjust the head on the portion poured.

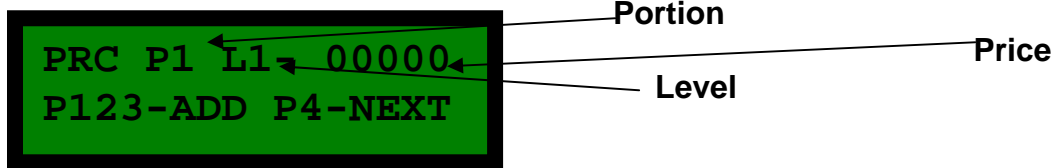
```
PORTION1- 0100
P123-MOD P4-SUIV
```

Quantity of portion 1

Repeat this procedure to program the remaining portions

When price levels are activated

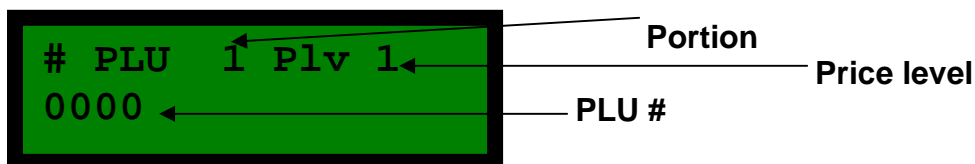
The following display will come up.



Now enter the desired price using the **P1/P2/P3** buttons. Then **P4** for next.

Setting custom PLU'S

The automatic PLU setup is 3 digits for the **DRAFT CONTROL YXX** (spout# **Y** / portion# **XX**) and 4 digits for the **DRAFT CONTROL YYXX** (spout# **YY** / portion# **XX**)



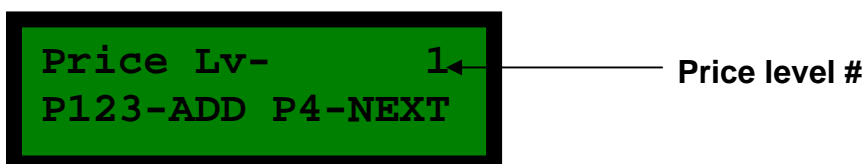
But the unit can accept any number to modify use the **P1/P2/P3** to enter the desired number then **P4** for next.

VIEW 3 PGM

P2-Price Level



Press **P2** to manually change price levels



Enter the desired price level **P3**

P3-Set clock

P2-Price Level
P3-Set Clock

Press **P3** to set clock

Year - 09
P123-ADD P4-NEXT

Enter year using **P2** and **P3**.Then **P4** for next.

Month - FEB
P123-ADD P4-NEXT

Enter month using **P3**.Then **P4** for next.

Date - 10
P123-ADD P4-NEXT

Enter date using **P2** and **P3**.Then **P4** for next.

Day - SAT
P123-ADD P4-NEXT

Enter day using **P2** and **P3**.Then **P4** for next.

Hour - 12
P123-ADD P4-NEXT

Enter hour (24 HR clock) using **P3**.Then **P4** for next.

Minute - 49
P123-ADD P4-NEXT

Set minutes using **P2** and **P3**.Then **P4** for next.

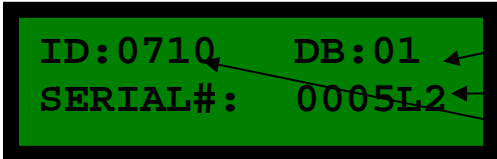


Second - 21
P123-ADD P4-NEXT

Set seconds using **P2** and **P3**. Then **P4** for next.

VIEW 4 PGM

This is strictly an information screen.



ID:0710 DB:01
SERIAL#: 0005L2

Version #.
Serial # of unit.
Identification # of unit.

SERVICE MODE

To access this mode

- 1- Power down the unit.
- 2- Turn key to **PGM**
- 3- Hold down **P1**
- 4- And power up the unit. The LCD on the faceplate will show ;

View 1



P2-Master Clear
P3-Copy Memory

Press **P4**.

View 2



P2-Print Config

VIEW 1 SERVICE MODE

P2-Master Clear



Press **P2** for Master Clear



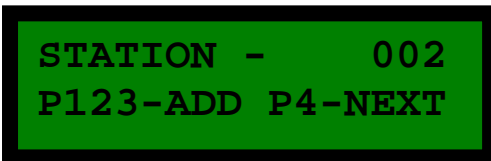
The unit is now reset to its original settings and the activator must be re-calibrated (see page 21)

P3-Copy Memory

To copy memory from 1 unit to another, it is important to use different station #'s



Press **P3** for the Copy Memory



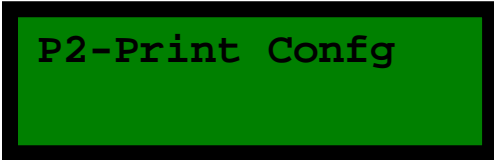
Press **P1/P2/P3** to obtain desired station # and press **P4** for copy.



Wait till send is complete. The screen will revert to the original screen display. (This may take a few minutes).

VIEW 2 SERVICE MODE

P2-Print Configuration



Press P2

Cable Configuration

SYSTEM CONTROL

PRINTER

DB-9M

DB-25M

DCD	1	0-1	ChGND
RXD	2	2	TXD
TXD	3	3	RXD
DTR	4	4	RTS
GND	5	5	CTS
DSR	6	6	DSR
RTS	7	7	GND
CTS	8	8	DCD
VCC	9	20	DTR

Printer

Other
POS
Printer

SYSTEM CONTROL

PRINTER

DB-9M

RJ-45

N.C.	1	1	+VCC
RXD	2	2	DSR
TXD	3	3	TXD
DTR	4	4	RXD
SGND	5	5	RTS
DSR	6	6	CTS
RTS	7	7	GND
CTS	8	8	DTR
N.C.	9	9	RI
FGND			FGND



INTERFACE ECR & PC

ECR

SYSTEM CONTROL

DB-9

DB-9M

	1	1	
RXD	2	2	RXD
TXD	3	3	TXD
DTR	4	4	DTR
GND	5	5	GND
DSR	6	6	DSR
RTS	7	7	CTS
CTS	8	8	RTS

ECR



PC

**SYSTEM
CONTROL**

<u>DB-9</u>		<u>DB-9M</u>	
DCD	1	1	DCD
RXD	2	2	RXD
TXD	3	3	TXD
DTR	4	4	DTR
GND	5	5	GND
DSR	6	6	DSR
RTS	7	7	RTS
CTS	8	8	CTS
VCC	9	9	VCC

