

user manual

Taurus CP-300

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1.00 Overview

1.01 Operation

The Taurus CP-300 dispenses liquid chemicals with a high degree of accuracy and repeatability. A separately wired remote provides a convenient way to start the cycle. Simple mounting, setup, and low cost make it ideal for single-product applications.

Once programmed, operation is simple. Press the START button once (the green LED will flash once to show your button press has been “accepted”) and the Taurus dispenser will begin a use cycle; using whatever pump delay time, pump run time and pump lockout time you have programmed.

1.02 General Specifications

Feature	Range
Pump delay time	0 – 32 min. (15 sec doubled...)
Pump run time	0 – 20 min. (real time)
Pump lockout time	0 – 30 min. (5 min. increments)
Pump rate	Approx. 8 ounces / minute
Wall-mounted transformer	24 Volt DC, 1 Amp
Hardwired remote with 2 buttons and 3 LEDs	

1.03 Package Contents

- 1) Taurus CP-300 Pump, Cat 5e Cable (P/N 00-08879-00)
- 2) Wall Mount Kit (P/N 13-08607-00)
- 3) Wall Power Transformer, 100-240 VAC (P/N 10096229)
- 4) Programmer Remote (P/N 13-08602-06)
- 5) Adhesive-back Remote Fasteners (P/N 36-06158-16025)



WARNING! ADVERTENCIA!

The CP-300 should be installed by a qualified technician only, in accordance with all applicable electrical and plumbing codes.

El equipo CP-300 debe ser instalado sólo por técnicos calificados y de acuerdo con todas las normas de plomería y eléctricas que apliquen.



Taurus CP-300 Pump, w/Cat 5e Cable



Wall Mount Kit



Wall Power Transformer



Programmer Remote



Remote Fasteners

2.00 Installation

2.01 Install the wall-mounted pump and remote unit

Install the Taurus CP-300 close to product containers (6.5 ft. / 2 m.) and farther away from direct sources of steam, water spray, and high temperatures.

1. Attach mounting bracket to solid surface (drywall, masonry, wood, cement, cinder block) with provided screws. Use appropriate hardware for the material, e.g., metal anchors in cement or cinder block.
2. Slide the Taurus CP-300 down onto bracket and press firmly to lock in place.
3. Mount remote unit on a clean and dry surface using the provided adhesive-backed fasteners.
4. Connect the Taurus CP-300 to the remote using the Cat 5e cable as shown.



Step 2 - Slide pump down onto mounting bracket



Step 4 - Connect Cat 5 cable to remote

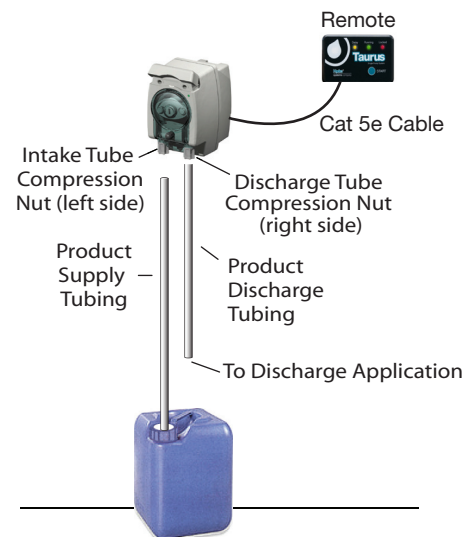
2.02 Install the supply and discharge tubing

Supply Tubing

1. Cut tubing and route from product container to intake (left) pump tube. Slip tubing through compression nut into fitting and tighten.
2. Place other end of tubing into the product container.

Discharge Tubing

1. Cut tubing and route from discharge location to outflow (right) pump tube.
2. Slip tubing through compression nut into fitting and tighten.



2.02: Supply and Discharge Tubing



WARNING!
ADVERTENCIA!

Disconnect all power to the dispenser during installation, service, and/or any time pump cabinet is opened.

Desconecte toda la corriente eléctrica al dosificador durante la instalación, servicio y / o siempre que se abra el gabinete de la bomba.

Installation

2.03 Install the wall-mounted transformer

1. Plug the wall transformer into an AC outlet.
2. Plug the barrel adapter into the Taurus CP-300 power connector at the bottom of pump unit.

The green LED on the pump will turn on, indicating power and the remote LEDs will flash a code that indicates the firmware revision.

NOTE: Use only the transformer specified from the manufacturer to ensure proper operation. Usage of transformer must conform to local laws and codes.



Step 1 - Plug wall transformer into AC outlet



Step 2 - Plug adapter into pump

2.04 Prime the pump unit

1. Press and hold the START button on the remote unit. After 10 seconds the pump will start. Continue to hold the Start button down to draw product into the pickup tubing.
2. When the pickup tubing is free of air, release the START button to stop priming.



2.04: Press and hold START for 10 seconds.



WARNING!
ADVERTENCIA!

Always verify power source voltage with volt meter.

Siempre verifique la alimentación de corriente con un voltímetro.

3.00 Programming

3.01 Overview

The Taurus CP-300 is programmed using the Taurus CP-300 Programmer Remote. The remote's two-button interface contains the following features:

LED indicators:
The three colored LED indicators illuminate independently or in combination to identify the specific programming function in progress:

Yellow LED: Program start delay time / Review start delay time settings

Green LED: Program pump run time / Review run time settings

Red LED: Program pump lockout period / Review lockout period settings

PROG SELECT button:
The PROG SELECT button is located under the water-drop icon on the remote interface

START button:
The START button activates the pump and is also used in conjunction with the hidden PROG SELECT button to program the pump

The three remote LEDs indicate the pump's state of operation as follows:

Remote LED Indicator	State of Operation
Green (flashes once)	Confirmation of Start Button press.
Yellow	Pump (Dispense) Delay in progress...
Green	Pumping (Dispensing)...
Red	Pump (Dispense) Complete, Lockout in progress...
(No LED lit)	Idle
Scrolling LEDs	When Program or Start button is pressed when use cycle is in progress. LEDs scroll Red-Green-Yellow twice to indicate button is being ignored. Try again after use cycle finishes.

NOTE: Please refer to the following instructions for more information on LED indicator functionality.

Programming

3.02 Enter Programming Mode

The Taurus CP-300 dispenses liquid chemicals with a high degree of accuracy and repeatability. A separately wired remote provides a convenient way to start the cycle. Simple mounting, setup, and low cost make it ideal for single-product applications.

1. Press and hold the START and PROG SELECT buttons simultaneously for 10 seconds. All three LED indicators will illuminate to confirm that programming mode has been activated.

NOTE: Once in programming mode, pressing the PROG SELECT button will allow you to sequence through the four programming options:

- Start Delay Time
- Run Time
- Lockout Period
- User Prime

Each of these functions is described below.

3.03 Programming the Start Delay Time

1. Once in programming mode, press the PROG SELECT button once. The yellow LED indicator will illuminate.

2. With the yellow LED illuminated, press the START button once for every start delay increment you wish to add. Each press is confirmed by a yellow LED flash. Please refer to the table below to determine the number of presses needed for your desired delay time increment.

Start Button Presses	Delay Time (sec/min)
1	0 (No Delay)
2	15 sec
3	30 sec
4	1 min
5	2 min
6	4 min
7	8 min
8	16 min
9	32 min

NOTE: The LED will not flash if you press START after the time limit has been met.



Enter programming mode by pressing and holding the START and PROG SELECT buttons for 10 seconds.

Yellow LED illuminates



Press START button once for every pump delay increment. (1 Press = No Delay, 2 Press = 15 sec, 3 Press = 30 sec, 4 Press = 1 min, and so forth)

Programming

3.04 Programming the Pump Run Time

1. Once the Start Delay Time has been programmed, press the PROG SELECT button again. The green LED indicator will illuminate.

2. Press and release the START button to start the Run Time.

- The pump will turn on.
- This works like a stopwatch; you press START to begin timing the Pump Run Time. Then you press START again to stop timing the Pump Run Time.
- The green LED will flash every one second.
- A Pump Run Time can be up to 20 minutes.

3. Press and release the START button again to stop the Run Time.

- The pump will turn off
- The green LED will remain on

3.05 Programming the Pump Lockout Period

The is Pump Lockout Period can be used to prevent the press of the START button from pumping another product dose during the same use cycle.

1. Once the Pump Run Time has been programmed, press the PROG SELECT button again. The red LED indicator will illuminate to indicate you can now program a Pump Lockout Period.

2. With the red LED illuminated, press the START button once for every five-minute lock-out period you wish to add. Each press is confirmed by a red LED flash. Please refer to the table below to determine the number of presses needed for your desired time increment.

Start Button Presses	Delay Time (min)
1	0 (No Delay)
2	5 min
3	10 min
4	15 min
5	20 min
6	25 min
7	30 min

NOTE: The LED will not flash when the time limit has been met (30 min).

NOTE: If, during normal operation, power to the dispenser is interrupted while in a Lockout Period, the balance of the Lockout Period will continue when power is restored.

Green LED illuminates



Press and release START button once to **start** timing Pump Run.

Press and release START button once to **stop** timing Pump Run.

Red LED illuminates



Press START button once for each 5 min lockout increment.
(1 Press = No Lockout, 2 Press = 5 min, 3 Press = 10 min, 4 Press = 15 min, and so forth)

Programming

3.06 Programming the User Prime Feature

1. Once the Pump Lockout Period has been programmed, press the PROG SELECT button again so you can program the User Prime feature.

The green and yellow LED indicators will illuminate to indicate User Prime is **enabled**.

2. Press the START button again to disable the User Prime.

The green and red LED indicators will illuminate to indicate User Prime is **disabled**.

NOTE: In other words, the green LED indicator stays on, while the yellow and red LED indicators toggle with each press of the START button to indicate whether the User Prime is enabled or disabled.

The User Prime feature, during normal operation, allows the operator to hold the START button down for 10 seconds to start the pump manually. The pump will continue to run while the START button is held down, and stop when the START button is released.

Yellow and Green LED illuminated



The Yellow and Green LEDs indicate User Prime is **enabled**.

The Green and Red LEDs indicate User Prime is **disabled**.

Red and Green LED illuminated



3.07 Saving the Programmed Settings

1. To exit programming mode and save the settings, press and hold the PROG SELECT button first, then press and hold the START button for 2 seconds.

- All three LED indicators will illuminate to indicate the programmed settings have been saved
- A program review will be conducted as follows:

Program Feature	Review Indication
Start Delay Time	The yellow LED will turn on and flash for each delay increment for which the Start Delay Time was programmed. No flash indicates no Start Delay Time.
Pump Run Time	The green LED will use a long flash for each number of minutes, followed by quick flashes for each second for which the Pump Run Time was programmed.
Lockout Period	The red LED will turn on and flash for each five-minute increment for which the Lockout Period was programmed. No flash indicates 0 Lockout Period.
User Prime	The green and yellow LED indicators will illuminate if the User Prime is enabled . The green and red LED indicators will illuminate if the User Prime is disabled

NOTES:

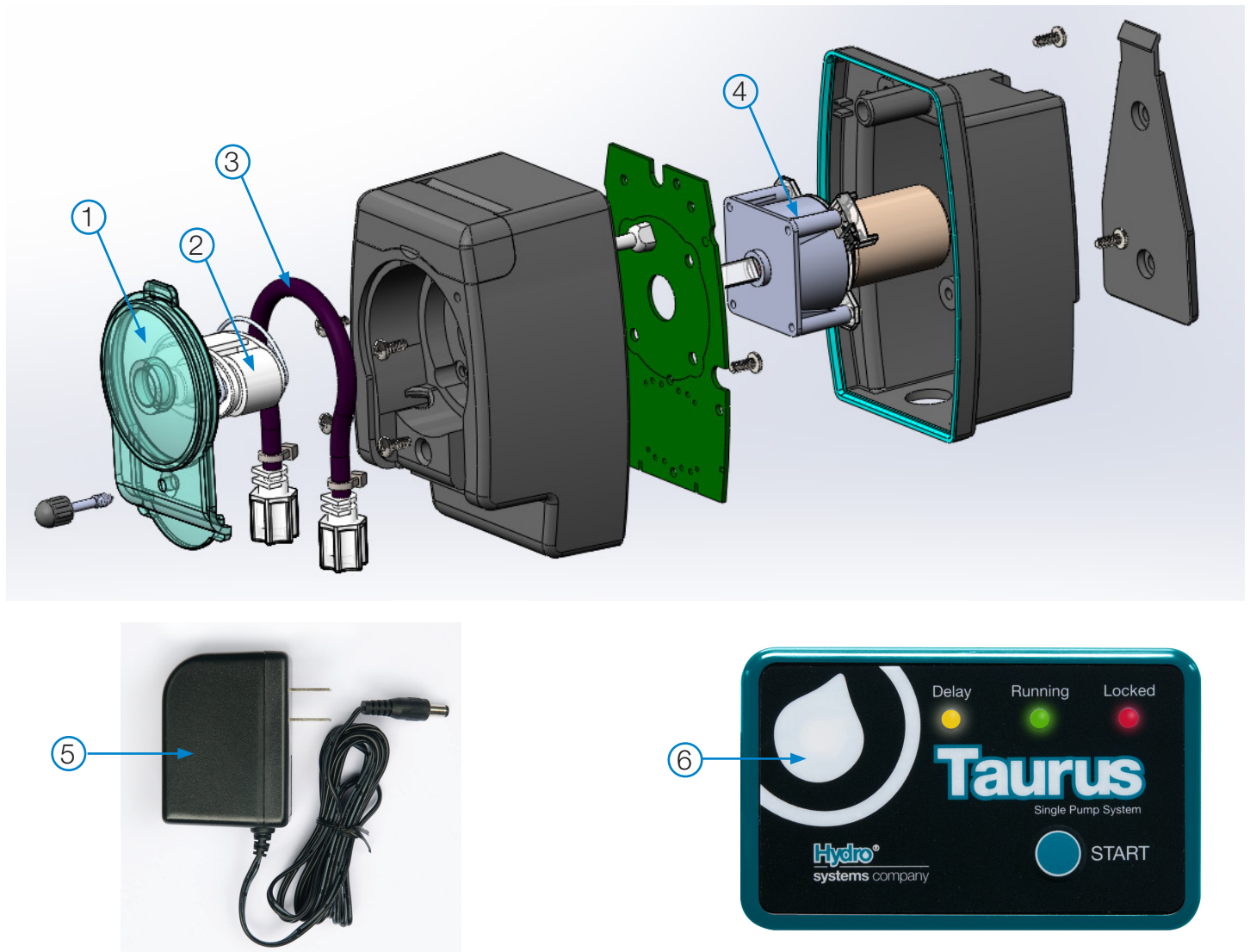
- To exit programming mode without saving the settings, allow 20 seconds to lapse without pressing any buttons.
- To restore factory defaults, press and hold the START button and the PROG SELECT button simultaneously for ten seconds while powering up the unit. All three LED indicators will flash on and off twice to confirm that factory defaults have been restored.



Press and hold the PROG SELECT button, then press and hold the START button for 2 sec. All three LED indicators will illuminate. Release both buttons.

4.00 Service Parts

4.01 Exploded Parts Diagram



4.02 Service Part Numbers

Reference	Part #	Description
1	13-08706-06	Pump Cover, Teal (thumb-screw included)
2	13-06396-00	Pump Spinner
3	13-06399-10	Pump Tube, Standard, 1/4" Compression, Detergent, EPDM, 10-pk.
	13-06395-10	Pump Tube, 1/4" Compression, Rinse, EPDM, 10-pk.
	13-06395-30	Pump Tube, 1/8" Compression, Rinse, EPDM, 10-pk.
4	13-08721-01	Pump Motor Kit (Detergent)
5	10096229	Wall-mounted Transformer, 24 VDC, 1 Amp
6	13-08602-06	Taurus CP-300 Programmer Remote, Black

5.00 Specifications and Warranty

5.01 Specifications

Size	3" W x 4.5" H x 4.5" D (7.6 cm. W x 11.4 cm. H x 11.4 cm. D)
Weight	1.8 lb. (.82 kg.)
Power Rating	24 VDC 1 Amp
Flow Rate	8 oz. (237 ml.) / minute with standard Detergent tube
Run Time	0 - 20 minutes
Duty Cycle	66%, 20 minute maximum run time

Environmental Specifications

IP, Pollution, Installation	IP Rating : 44 Pollution Category: 2 Installation Category: 2
Temperature	10° to 49° C (50° to 120° F) maximum
Humidity	95% relative humidity, maximum
Indoor Installation	Approved for indoor use only. Must not be installed outdoors.

Specifications subject to change without notice.

5.02 Limited Warranty

Seller warrants solely to **Buyer** the Products will be free from defects in material and workmanship under normal use and service for a period of one year from the date of completion of manufacture. This limited warranty does not apply to (a) hoses; (b) and products that have a normal life shorter than one year; or (c) failure in performance or damage caused by chemicals, abrasive materials, corrosion, lightning, improper voltage supply, physical abuse, mishandling or misapplication. In the event the Products are altered or repaired by **Buyer** without **Seller's** prior written approval, all warranties will be void.

No other warranty, oral, express or implied, including any warranty of merchantability or fitness for any particular purpose, is made for these products, and all other warranties are hereby expressly excluded.

Seller's sole obligation under this warranty will be, at **Seller's** option, to repair or replace F.O.B. **Seller's** facility in Cincinnati, Ohio any Products found to be other than as warranted.

5.03 Limitation of Liability

Seller's warranty obligations and **Buyer's** remedies are solely and exclusively as stated herein. **Seller** shall have no other liability, direct or indirect, of any kind, including liability for special, incidental, or consequential damages or for any other claims for damage or loss resulting from any cause whatsoever, whether based on negligence, strict liability, breach of contract or breach of warranty.



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