

Taurus CP-300 Single Pump

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.

General Specifications

Feature	Range
Pump delay time	0 – 30 min (1 min increments)
Pump run time	0 – 2 min (real time)
Pump lockout time	0 – 30 min (5 min increments)
Pump rate	Approx. 8 ounces / minute
Wall-mounted transformer	24VDC, 1A
Hardwired remote with 2 buttons and 3 LEDs	

Complete Package Contents



Taurus CP-300 Pump, Complete
P/N 00-08879-00,
(Includes Cat 5e Cable)



Remote



Wall Mount Kit
P/N 13-08607-00



Adhesive-backed Fasteners
P/N 36-06158-16025



Wall-Mounted Transformer
(100-240VAC)
P/N 10096229

This Quickstart Guide
P/N 20-09208-00



WARNING

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

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

Installation

STEP 1: Install the Wall-mounted Pump and Remote Unit

Install the Taurus CP-300 close to product containers (6.5 ft. / 2m.) and 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 adhesive-backed fasteners (provided).
4. Connect the Taurus CP-300 to the remote using the Cat 5e cable as shown.



Step 1.1: Slide pump down onto mounting bracket



Step 1.4: Connect Cat 5e cable to remote

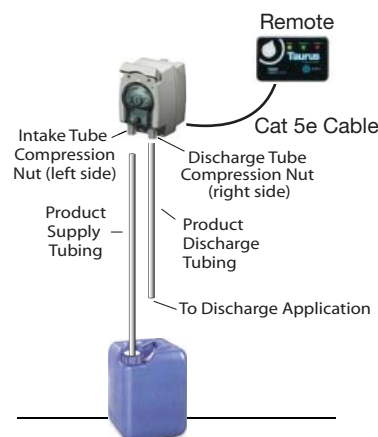
STEP 2: Install the Supply and Discharge Tubing

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.



Step 2: Supply Tubing and Discharge Tubing

Installation

STEP 3: 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 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 4: Prime the Pump Unit

1. Press and hold the START button on the remote unit for 10 seconds to start priming.
2. When the tubing is free of air, release the button to stop priming.

Programming

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

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

LED indicators:

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

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

Remote LED Indicator	State of Operation
Flashing green	Activated (button press confirmed)
Yellow	Delay dispensing / pumping
Green	Dispensing / pumping
Red	Complete and locked
No LED	Idle

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

Enter Programming Mode

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 on the next page.



Step 3.1: Plug wall transformer into AC outlet



Step 3.2: Plug adapter into pump



Step 4.1: Press and hold START button for 10 seconds

WARNING: Always verify power source voltage with volt meter.

Enter programming mode by pressing and holding START and PROG SELECT buttons



Programming

Programming the Start Delay Time

- Once in programming mode, press the PROG SELECT button once. The yellow LED indicator will illuminate.
- With the yellow LED illuminated, press the START button once for every five-minute increment delay 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 time increment.

Start Button Presses	Time (min)	Start Button Presses	Time (min)
1	0	29	28
2	1	30	29
3	2	31	31
4	3		



NOTE: The LED will not flash if the limit has been met.

Programming the Pump Run Time

- Once the Start Delay Time has been programmed, press the PROG SELECT button again. The green LED indicator will illuminate.
- Press the START button to start the Run Time.
 - The pump will turn on
 - This program runs like a stopwatch; once you press START, the stopwatch begins timing the Run Time
 - The green LED will flash every one second
 - A pump Run Time can be up to 2 minutes
- Press the START button again to stop the Run Time.
 - The pump will turn off
 - The green LED will remain on



Programming the Pump Lockout Period

- Once the pump Run Time has been programmed, press the PROG SELECT button again. The red LED indicator will illuminate to indicate you can program a Lockout Period.
- 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	Time (min)	Start Button Presses	Time (min)
1	0	5	20
2	5	6	25
3	10	7	30
4	15		



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.

Programming User Prime

- Once the Pump Lockout Period has been programmed, press the PROG SELECT button again. The green and yellow LED indicators will illuminate to indicate the User Prime is enabled.
- Press the START button again to disable the User Prime. The green and red LED indicators will illuminate.

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 effects of User Prime during normal operation are as follows:

User Prime state	Green LED indicator during START button press
Enabled	Turns on and flashes off quickly
Disabled	Stays off but flashes on quickly



Saving the Programmed Settings

- To save the programmed 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:

Start Delay Time	The yellow LED will turn on and flash for each five-minute increment for which the Start Delay Time was programmed; no flash indicates 0 pump Start Delay Time.
Run time	The green LED will generate a long flash for each number of minutes, followed by quick flashes for each remaining second for which the 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

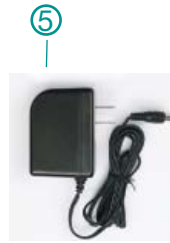
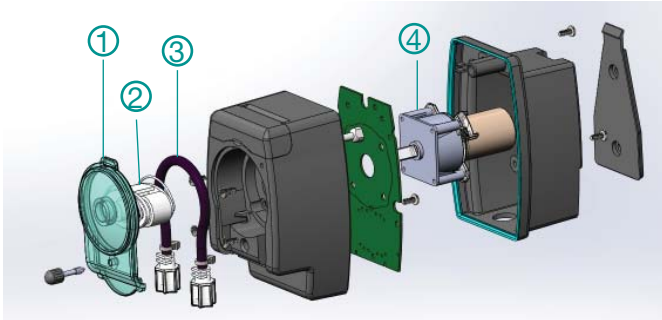


Programming

NOTES:

- To exit programming mode without saving the settings, allow 30 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.

Optional Spare Parts



Ref. #	Part #	Description
1	13-08706-06	Pump Cover, Teal (screw included)
2	13-06396-00	Pump Spinner
3	13-07719-100PG	Pump Tube, 1/4" Detergent, Silicone, 10-pk.
	13-07719-25PG	Pump Tube, 1/4" Detergent, Silicone, 25-pk.
4	13-08721-01	Pump Motor Kit (Det)
5	10096229	Wall-mounted Transformer, 24VDC, 1A
6	13-08602-06	Taurus CP-300 Programmer Remote (Black)

Taurus CP-300 Pump 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	24VDC 1 Amp
Flow Rate	8 oz. (237 ml.) / minute with standard Detergent tube
Run Time	0 - 2 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.

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.

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.