

## Constellation Pro Stainless-Steel Transformer

**Models:** CP-T200-AT and CP-T400-AT

**Input:** 120V AC 50/60Hz

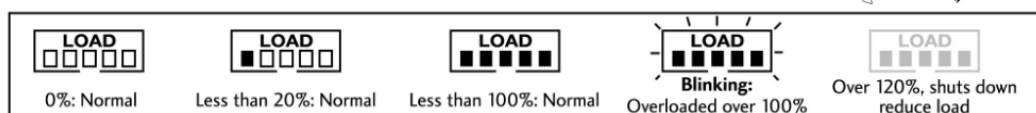
**Output:**

- CP-T200-AT – 12/15V AC 200VA (200W)
- CP-T400-AT – 12/15V AC 200VA (200W) x2  
(2 Separately Controlled **Zones**)



### Product Info:

- Slim 304 Stainless Steel enclosure with mounting brackets
- Two (2) separately controlled zones – 200W each (**Model CP-T400-AT ONLY**)
- Built in Photocell equipped with Auto Mode (can be set from dusk to dawn)
- Built in Timer - Timer mode for manual on/off times (lights can be set to turn on and off manually based on the local sunrise/sunset) City/region sheet attached
- ON /OFF mode
- Display screen shows power load consumption
- Overload warning icon located on the LCD display



- Built in overload and short circuit cut-off protection
- COM / 12V or 15V output x3 lines
- Toolless quick connectors/taps

## Transformer Installation and Safety

This fixture must be installed in accordance with the National Electric Code and local code specifications. Failure to follow these codes and installation instructions will void the warranty and may result in serious injury and/or damage to the fixture. This product is designed for above ground installation only. Keep these instructions for future use.

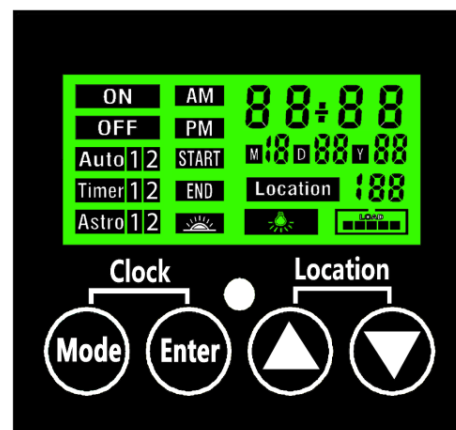
- **WARNING!** Risk of fire or electrical shock. Install the transformer at least 5 feet (1.5m) from pool or spa and at least 10 feet (3.05m) from a fountain.
- This transformer must be connected to GFCII-protected receptacle. If the receptacle is outdoors, then it must be protected by a weather-proof cover.
- All transformers are indoor and outdoor rated, but we recommend the transformer be mounted outdoors. If mounted indoors, then codes should be followed that apply to indoor wiring - especially for wires that pass through exterior walls.
- Transformer must be mounted in a vertical orientation with the bottom plate at least 1 foot from the ground.
- It is normal for the unit to become hot, do not allow contact with PVC or plastic sidings. In hot climates, avoid mounting in direct sunlight, but allow photocell (if photocell feature is being used) to be exposed to sky. Near salt-water, protect unit by enclosing in weather-proof structure.

## Transformer Set Up

- **CLOCK TIME SETTING:** Press **MODE** and **ENTER** together to set date and time. Use ▲ or ▼ to adjust for the Year, Month Day Hour (cycling through to PM if necessary) and Minutes pressing **ENTER** to accept the entry between each item
- **LOCATION SETTING:** Press ▲ and ▼ at the same time, using ▲ and ▼ to choose your location code pressing **ENTER** to record/accept the entry (refer to the chart on the last page). Codes are also provided on label inside transformer box

## Programming Options

**ZONE SELECTION:** Applicable to the CP-T400-AT two zone transformer only. Before Mode Selection, first choose which of the 2 zones you wish to program by pressing **MODE** followed by ▲ or ▼ to choose zone 1 or 2 followed by **ENTER** to select zone 1 or 2. Then press ▲ or ▼ followed by **ENTER** to choose the mode as in the instructions below.



**MODE SELECTION:** Press **MODE** followed **▲** and **▼** followed by **ENTER** to choose between the following modes: **ON, OFF, AUTO, TIMER, or ASTRO** each explained below:

**ON** – always on

**OFF** – always off

**AUTO** – dusk to dawn (or set off time) with photo eye (located between the **ENTER** and **▲** buttons). This setting requires exposure to light. An optional off time can be set if desired.

**TIMER** – mode can be used for any specific **ON** and **OFF** setting. When selecting the **Timer** mode, the (Start) and clock (---) **PM/AM** icon will illuminate. Set the **ON** time (hour/min), then the (End) icon will illuminate to set the **OFF** time. press the **ENTER** button to select the (hour/min).

**ASTRO** – Astro timer mode can be used with your local sunrise and sunset time. Astro mode may also be used when the transformer is mounted indoors where light levels are insufficient for photocell operation. You must have selected your location code in the transformer setup above for the mode to work.

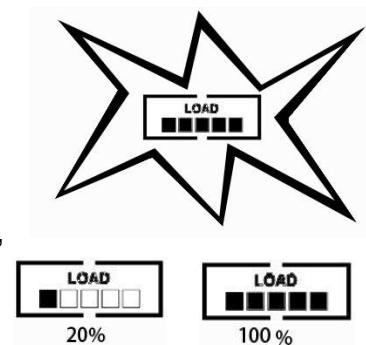
The “Astro” and “:00” icon will illuminate, then press the **ENTER** button again. Once the sunrise icon illuminates, press the **ENTER** button to finish the Astronomic Auto **ON** and **OFF** mode setting.

**How to set an optional adjusted ON time setting:** When the “Astro” icon and “:00” illuminate, use the **▲** or **▲** button to set an adjusted Start **ON** time” with 10-50 minutes advanced start (+ symbol before) or delayed start (- symbol before) according to actual sunset time. Press **ENTER** button to confirm.

**How to set an optional OFF time setting:** When the clock (---) (**PM/AM**) icon and sunrise icon illuminate, it’s ready to set the specific **END/OFF** time. Use **▲** or **▼** buttons to select specific time and press **ENTER** to confirm the setting.

### 6: Transformer loading consumption indication

This transformer includes an indicator on the display that indicates the load capacity status. When transformer is on and under load the icon at right side indicates the loading status. When one bar is shown, 20% of the transformer wattage is being used. Each bar indicates an additional 20% of capacity. When 5 bars are showing, 100% of the transformer capacity is being used. When the transformer is overloaded (at 120%), the icon will blink, and the output will automatically shut off. If this occurs, reduce the load, and press any button to reset the transformer.



## Location code sheet for USA and CANADA;

Code	Area/City	Code	Area/City	Code	Area/City	Code	Area/City
01	Alabama North	20	Idaho North	42	Mississippi North	64	Oregon East
02	Alabama South	21	Idaho South	43	Mississippi South	65	Oregon West
03	Alaska	22	Illinois North	44	Missouri North	66	Pennsylvania East
04	Arizona (no DST)	23	Illinois South	45	Missouri South	67	Pennsylvania West
05	Arkansas North	24	Indiana (ET)	46	Montana East	68	Rhode Island
06	Arkansas South	25	Indiana (CT)	47	Montana West	69	South Carolina
07	California Central	26	Iowa East	48	Nebraska East	70	South Dakota East
08	California North	27	Iowa West	49	Nebraska West	71	South Dakota West
09	California South	28	Kansas East	50	Nevada North	72	Tennessee West
10	Colorado North	29	Kansas West	51	Nevada South	73	Tennessee East
11	Colorado South	30	Kentucky East	52	New Hampshire	74	Texas East
12	Connecticut	31	Kentucky West	53	New Jersey	75	Texas North
13	Delaware	32	Louisiana North	54	New Mexico North	76	Texas South
14	Florida North	33	Louisiana South	55	New Mexico South	77	Texas West
15	Florida South	34	Maine	56	New York South	78	Utah
16	Florida West	35	Maryland East	57	New York Upstate	79	Vermont
17	Georgia North	36	Maryland West	58	North Carolina East	80	Virginia East
18	Georgia South	37	Massachusetts	59	North Carolina West	81	Virginia West
19	Hawaii	38	Michigan North	60	North Dakota East	82	Washington
		39	Michigan South	61	North Dakota West	83	West Virginia
		40	Minnesota North	62	Ohio	84	Wisconsin
		41	Minnesota South	63	Oklahoma	85	Wyoming
	<b>CANADA</b>		<b>CANADA</b>		<b>CANADA</b>		<b>CANADA</b>
101	Whitehorse, Yukon	102	Montréal, Quebec	103	Quebec	104	Charlottetown, Prince Edward Island
105	Ottawa, Ontario	106	Toronto	107	Barrie, Ontario	108	Iqaluit, Nunavut
109	North Sydney, Nova Scotia	110	Halifax, Nova Scotia	111	Calgary	112	Vancouver
113	Vancouver	114	Surrey	115	Winnipeg	116	Brandon
117	Moncton	118	Saint John	119	St. John's	120	Yellowknife