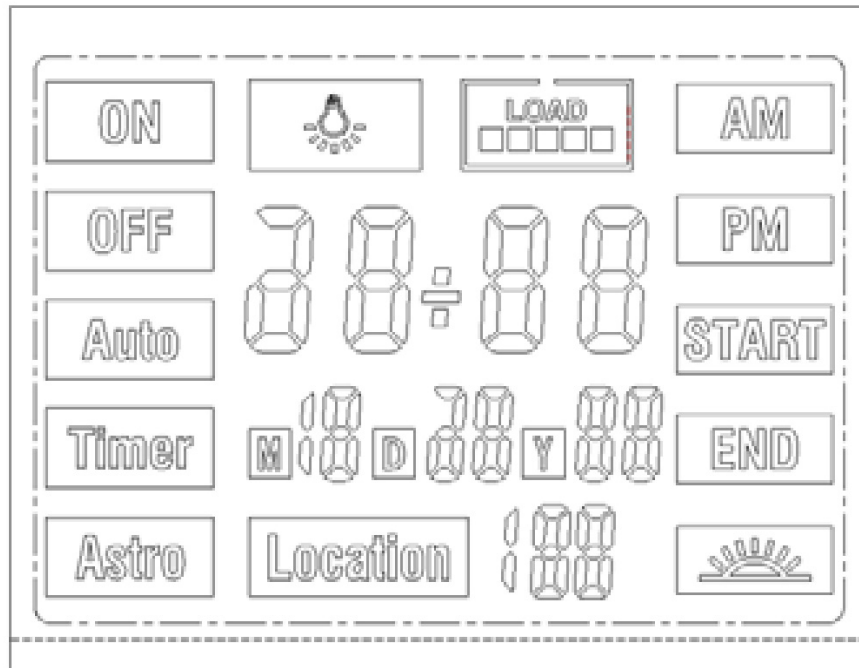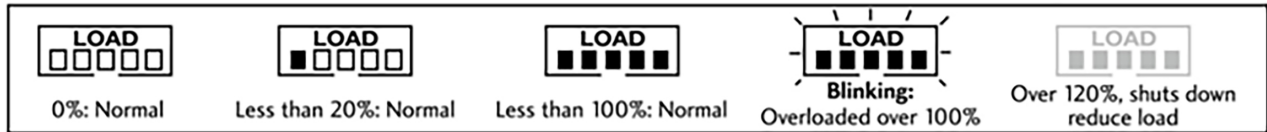# LTN AC 300W Transformer

Model: **LTN2300AC**

Input - 120VAC 50/60Hz
Output - 12V/15VAC 300W

Product Specifications

- Slim 304 Stainless steel enclosure for narrow location hanging
- Built in Photocell – Auto mode/dusk to dawn or set time off
- Built in Timer – Timer mode for any time setting
- Built in Astronomic Timer – Sunset to Sunrise based on location
- ON /OFF mode
- COM / 12V or 15V output x 3 lines
- Toolless quick connectors/taps
- Built in Overload and short circuit cutoff protection
- Power load consumption and overload warning icon on the LCD display

| 0%: Normal | Less than 20%: Normal | Less than 100%: Normal | Blinking: Overloaded over 100% | Over 120%, shuts down reduce load |

Settings

Mode: working mode selecting button

Enter: Confirm the setting/selecting button

△ ： UP selecting button

▽ ： Down selecting button

Date/Clock/Location Settings

❖ Date/Clock
- Press **Mode** and **Enter** at same time
- Use △ + ▽ buttons to set year then press Enter
- Do the same for month, day, hour and minutes
- Press Enter to complete setting

❖ Location
- Press △ + ▽ at same time
- Use △ + ▽ to set location code shown on final page
- Press Enter to complete setting

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Programming Instructions

Press **MODE** button

Use the △ or ▽ button to select appropriate **MODE**

Press **ENTER** to confirm and set mode

- ❖ **"ON"** - Always on mode
- ❖ **"OFF"** - Always off mode
- ❖ **"Auto"** – Photocell operation
    - Clock icon (--:--) and ☀ icon will flash
    - For **DUSK to DAWN** operation, press **ENTER**
    - For **DUSK ON / TIME OFF**
        - Press △ + ▽ simultaneously, note **END** icon appears and **HOUR** icon flashes
        - Adjust Hour turnoff by pressing △ or ▽ (note AM or PM), press **ENTER**
        - Press △ or ▽ for specific Minute off
        - Press **ENTER** to complete setting
- ❖ **"Timer"** – When timer mode for specific time ON and OFF setting is selected, **START** icon will appear
    - Press △ or ▽ to set **Start** AM/PM Hour
    - Press **ENTER** then △ or ▽ to set **Start** Minute
    - Press **ENTER** and **STOP** icon will appear
    - Set **Stop** Hour and Minute with same procedure
    - Press **ENTER** to complete setting
- ❖ **"Astro"** - Astronomic timer mode for local sunrise and sunset operation. Good for use in areas where light is blocked from normal photocell operation or indoor installation. Confirm location has correct code
    - In Astro mode press **ENTER** to see flashing ☀ icon
        - **For Sunset to Sunrise**
            - Press **ENTER** again to complete setting
        - **To Advance or Delay Start** - Sunset Mode (10-50 minutes)
            - **:00** indicates zero delay
            - Press △ or ▽ to desired 10-minute interval prior to (**-**) or after (**+**) Sunset
            - Press **ENTER** to advance to Shutdown Mode
        - **For Shutdown Mode**
            - Press △ or ▽ to desired Hour then Minute OFF (0:00 is Midnight) OR Astronomic Programmed time OFF (clock icon (--:--) and ☀ icon will flash)
            - Press **ENTER** to complete setting

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Installation Instructions

- ❖ **Loading**
    - o Total wattage should never exceed 270 watts
    - o Calculate total load by adding all fixture wattage then add 10% to prevent overload
    - o No user serviceable parts inside, do not remove cover and expose high voltages
- ❖ **Mounting**
    - o Transformer should not be mounted lower than 1ft. above ground level
    - o Find the best location that keeps wire runs as short as possible
    - o Recommended to be plugged into a ground fault receptable
    - o Find flat surface area, insert screw for secure fit and place bottom glide of transformer around screw
    - o Place top of transformer against surface and secure top screw
- ❖ **Wiring**
    - o Connect wire runs to terminal block before plugging in AC cord
    - o Determine if 12V or 15V power is needed
    - o Strip end of wire no longer than ½" or less
    - o Run wire through concentric knockout on bottom
    - o Lift quick connect tap and insert 1 wire into desired voltage and the other into common terminal and close tap
    - o Slightly pull on wire to confirm secure connection
    - o Use table provided on inside cover for tracking individual line voltages
    - o Close and lock cover with secured hatch

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Code	Area/City	Code	Area/City	Code	Area/City	Code	Area/City
01	Alabama North	23	Illinois south	45	MISSOURI south	67	Pennsylvania West
02	Alabama South	24	Indiana Eastern time zone	46	Montana East	68	Rhode Island
03	Alaska	25	Indiana Southern (Central time zone)	47	Montana west	69	South Carolina
04	Arizona (no DST)	26	Iowa East	48	Nebraska East	70	South Dakota East
05	Arkansas North	27	Iowa West	49	Nebraska West	71	South Dakota West
06	Arkansas South	28	Kansas East	50	Nevada North	72	Tennessee West
07	California Central	29	Kansas West	51	Nevada South	73	Tennessee East
08	California North	30	Kentucky East	52	New Hampshire	74	Texas East
09	California South	31	Kentucky West	53	New Jersey	75	Texas North
10	Colorado North	32	Louisiana North	54	New Mexico North	76	Texas South
11	Colorado South	33	Louisiana South	55	New Mexico South	77	Texas West
12	Connecticut	34	Maine	56	New York South	78	Utah
13	Delaware	35	Maryland East	57	New York Upstate	79	Vermont
14	Florida north	36	Maryland West	58	North Carolina East	80	Virginia East
15	Florida south	37	Massachusetts	59	North Carolina West	81	Virginia West
16	Florida west	38	Michigan North	60	North Dakota East	82	Washington
17	Georgia north	39	Michigan South	61	North Dakota West	83	West Virginia
18	Georgia south	40	Minnesota north	62	Ohio	84	Wisconsin
19	Hawaii	41	Minnesota south	63	Oklahoma	85	Wyoming
20	Idaho north	42	Mississippi North	64	Oregon East		
21	Idaho south	43	Mississippi South	65	Oregon West		
22	Illinois north	44	MISSOURI north	66	Pennsylvania East		
	CANADA		**CANADA**		**CANADA**		**CANADA**
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

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