

PROGRAMMING INSTRUCTIONS

Please read all 3 steps before programming

- Enter a programming function by pressing button the number of times as the desired function number from the tables below (e.g., press twice for function 2, time delay).
- LED will flash back the selected function's current setting (e.g., 5 flashes for 10 minute time delay). To change setting, proceed to step 3 before flash back sequence repeats 3 times. To exit the current function or to change to a different function, wait for sequence to repeat 3 times then return to step 1.
- Press button the number of times indicated in the particular function's detailed table for the NEW desired setting (e.g., press 3 times for 5 min). As confirmation of setting change, LED flashes back the NEW setting 3 times before exiting.

FUNCTIONS	-PC	-ADC	-DZ
4 100 Hour Burn-In / Auto Set-Point	•	•	
5 Ten's Digit of Set-Point	•	•	
6 One's Digit of Set-Point	•	•	
7 Sunlight Discount Factor	•	•	
8 Incremental Set-Point Adjustment	•	•	
11 Dual Zone Photocell Mode			•
15 Photocell Dimming Range (High)		•	
16 Photocell Dimming Range (Low)		•	
17 Dual Zone Offset			•
18 Dual Zone Off Point			•
21 Photocell Transition Off Time	•		
22 Photocell Transition On Time	•		

DETAILED FUNCTION TABLES

4 = 100 Hour Burn-In / Auto Set-Point

1 Disabled*		
2 Enabled		
3 Enabled then run Auto-Setpoint		
4 Run Auto Set-Point		
5 Blink back Set-Point ¹		

¹The LED will blink back the ten's digit, then pause, then blink back the one's digit. For a "0" the LED will blink very rapidly. The sequence is repeated 3 times.

5 = Ten's Digit of Set-Point

1 10 fc	4 40 fc	7 200 fc
2 20 fc	5 50 fc	8 Disable
3 30 fc	6 100 fc	10 0 fc*

6 = One's Digit of Set-Point

1 1 fc	4 4 fc	7 7 fc	10 0 fc
2 2 fc	5 5 fc*	8 8 fc	
3 3 fc	6 6 fc	9 9 fc	

7 = Sunlight Discount Factor

1 x/1	4 x/4*	7 x/7	10 x/10
2 x/2	5 x/5	8 x/8	
3 x/3	6 x/6	9 x/9	

8 = Incremental Set-Point Adjustment

1 Decrease 1 fc	2 Increase 1 fc
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11 = Dual Zone Photocell Mode

1 Stepped Dimming (DUO) Mode*
2 Stepped Dimming (DUO) - Never Off
3 Dual Zone Offset Mode
4 Dual Zone Fan Mode

15 = Photocell Dimming Range (High)

1 Off	4 3 Volts	7 6 Volts	10 9 Volts
2 1 Volt	5 4 Volts	8 7 Volts	11 10 Volts*
3 2 Volts	6 5 Volts	9 8 Volts	

16 = Photocell Dimming Range (Low)

1 Off**	4 3 Volts	7 6 Volts	10 9 Volts
2 1 Volt***	5 4 Volts	8 7 Volts	11 10 Volts
3 2 Volts	6 5 Volts	9 8 Volts	

17 = Dual Zone Offset

1 -10 Volts	7 -4 Volts	13 2 Volts	19 8 Volts
2 -9 Volts	8 -3 Volts	14 3 Volts	20 9 Volts
3 -8 Volts	9 -2 Volts	15 4 Volts	21 10 Volts
4 -7 Volts*	10 -1 Volt	16 5 Volts	
5 -6 Volts	11 0 Volts	17 6 Volts	
6 -5 Volts	12 1 Volt	18 7 Volts	

18 = Dual Zone Offset

1 110%	4 140%	7 170%	10 200%
2 120%	5 150%*	8 180%	
3 130%	6 160%	9 190%	

21 = Photocell Transition Off Time

1 45 sec	3 5 min*	5 15 min	7 25 min
2 2 min	4 10 min**	6 20 min	

22 = Photocell Transition On Time

1 45 sec*	3 5 min	5 15 min	7 25 min
2 2 min	4 10 min	6 20 min	

* DEFAULT SETTING ** -P-ADC DEFAULT *** -ADC DEFAULT

FUNCTION DEFINITIONS

4 100 HOUR BURN-IN / AUTO SET-POINT

100 HOUR BURN-IN

Overrides relay on and/or dimming output to full bright (typically for lamp seasoning)

AUTO SET-POINT

Photocell calibration procedure for detecting optimum lighting control level

5 TEN'S DIGIT OF SET-POINT

The ten's digit of the target light level that is to be maintained by the device (in foot-candles)

6 ONE'S DIGIT OF SET-POINT

The one's digit of the target light level that is to be maintained by the device (in foot-candles)

7 SUNLIGHT DISCOUNT FACTOR

Value used to improve the tracking accuracy of a photocell during periods of high daylight. Decreasing the value will lower the controlled level of the lights

8 INCREMENTAL SET-POINT ADJUSTMENT

Alters the target light level that is to be maintained by the device (in foot-candles)

11 DUAL ZONE PHOTOCELL MODES

STEPPED DIMMING (DUO) MODE

Dual Zone photocell mode where the appropriate on/off combination of the two associated relays is maintained in order to always meet the photocell set-point requirements

STEPPED DIMMING (DUO) MODE - NEVER OFF

Dual Zone photocell mode where the appropriate on/off combination of the two associated relays (except both off) is maintained in order to always meet the photocell set-point requirements.

DUAL ZONE OFFSET MODE

Dual Zone photocell mode where Zone 2's set-point is a selected percentage higher than Zones 1's set-point

DUAL ZONE FAN MODE

Dual Zone photocell mode where Zone 2's photocell control is disabled

15 PHOTOCELL DIMMING RANGE (HIGH)

The maximum output level (0-10 VDC) up to which an automatic dimming photocell will control

16 PHOTOCELL DIMMING RANGE (LOW)

The minimum output level (0-10 VDC) down to which an automatic dimming photocell will control

17 DUAL ZONE OFFSET

Fixed voltage increase of Zone 2's dimming output from Zone 1's dimming output (-ADC-DZ and -PC-ADC-DZ models only)

18 DUAL ZONE OFF-POINT

Zone 2's set-point as a percentage of Zones 1's set-point (-PC-DZ and -PC-ADC-DZ models only).

21 PHOTOCELL TRANSITION OFF TIME

The time period for which a photocell must measure a light level above the set-point before it will turn the lights off

22 PHOTOCELL TRANSITION ON TIME

The time period for which a photocell must measure a light level below the set-point before it will initiate the lights on

NOTE:

Additional settings can be configured via **SensorView** software.



PHOTOCELL SENSOR PROGRAMMING INSTRUCTIONS

