PROGRAMMING INSTRUCTIONS

Please read all 3 steps before programming

1. 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).
2. 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.
3. 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.

STANDARD FUNCTIONS

2	Time Delay
4	100 Hour Burn-In
12	Dual Technology (Microphonics™)[1]

OPTIONAL FUNCTIONS

		-P	-ADC	-D
3	Idle Time Until Dim		•	•
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	Photocell Mode	•		
15	Photocell Dimming Range (High)		•	
16	Photocell Dimming Range (Low)		•	
21	Photocell Transition Off Time	•		
22	Photocell Transition On Time	•		
23	Occupied Bright Level		•	•
24	Unoccupied Dim Level		•	•

[1] PDT SENSORS ONLY

DETAILED FUNCTION TABLES

2 = Time Delay

1	30 sec	**4**	7.5 min	**7**	15.0 min		
2	2.5 min	**5**	10.0 min*	**8**	17.5 min		
3	5.0 min	**6**	12.5 min	**9**	20.0 min		

3 = Idle Time Until Dim

1	30 sec	**4**	7.5 min*	**7**	15.0 min	**10**	Disable
2	2.5 min	**5**	10.0 min	**8**	17.5 min		
3	5.0 min	**6**	12.5 min	**9**	20.0 min		

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[2]

[2] The 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

11 = Photocell Mode

1	Full On/Off Control*	**2**	Inhibit Only Control

12 = Dual Technology (Microphonics™)

1	On*	**2**	Off

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		

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		

23 = Occupied Bright Level

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

24 = Unoccupied Dim Level

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

*** DEFAULT SETTING** ***** -ADC DEFAULT**
**** -P-ADC DEFAULT** ****** nCM(R)-6 UNITS' DEFAULT**

FUNCTION DEFINITIONS

2 TIME DELAY
The length of time an occupancy sensor will keep the lights on for after it last detects occupancy

3 IDLE TIME UNTIL DIM
The length of time after last detected occupancy that a sensor will reduce lighting to unoccupied dim level

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 PHOTOCELL MODE
Indicates a photocell sensor's method of operation. One mode enables the sensor to turn the lights both on and off, while the other mode can only inhibit the lights from turning on

12 DUAL TECHNOLOGY (MICROPHONICS™)
A second method of occupancy detection that allows the sensor to hear occupants

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

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

23 OCCUPIED BRIGHT LEVEL
The output level (0-10 VDC) that a dimming sensor sets the lights to when occupancy is detected (Not applicable if photocell is enabled)

24 UNOCCUPIED DIM LEVEL
The output level (0-10 VDC) that a dimming sensor sets the lights to after the idle time until dim timer expires

NOTE:

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

DOC# IN-1.0
Date Code 3308

nLIGHT®

OCCUPANCY SENSOR PROGRAMMING INSTRUCTIONS

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