

LEVITON®
DI-021-SY450-05A AR2243
(45100-1)

ENGLISH

- Read and understand all instructions. Follow all warnings and instructions marked on the product.
- Do not use this product near water - e.g., near a tub, wash basin, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.
- Never push objects of any kind into this product through openings, as they may touch dangerous voltages.
- **SAVE THESE INSTRUCTIONS.**

The Model 45A00-1 Supervised Wireless Receiver allows up to 64 unique wireless security transmitters to report information to an Leviton controller. The wireless transmitters replace wired door and window sensors, as well as wired smoke, motion, glassbreak detectors, and handheld keyfobs. These transmitters report status information to the 45A00-1 Receiver which, in turn, processes the information and reports it to the Leviton controller.

The Model 45A00-1 Supervised Wireless Receiver is compatible with Leviton Wireless Transmitters. These transmitters include the 46A00-1 Door/Window Transmitter, 47A00-1 Quad Pet Immune Motion Detector, 48A00-1 4 Button Keyfob, 49A00-1 Smoke and Carbon Monoxide Detector, and 50A00-1 Panic/Alert Pendant.

Install the receiver in a central area of the premises, as high above ground as practical. The receiver may be mounted up to 1000 feet from the Leviton controller.

- The receiver should be at least 5 feet from the controller or any other electronic device.
- Avoid areas where receiver will be exposed to moisture.
- Avoid areas with excessive metal or electrical wiring. If unavoidable, mount where antenna extends above a metallic surface.

When the location of the receiver has been established:

1. Position the supplied Mounting Base so that the Mounting Base Latch is at the top. Hold the Mounting Base against the mounting surface (allow at least a 6-inch clearance above the Mounting Base) and secure it using the supplied screws (see Figure 1).
2. Align the notches on the back of the Wireless Receiver case with the tabs on the Mounting Base. Make sure the tabs are fully inserted into the notches and push downward to latch.

Dimensions: 2.5W x 3.75H x 1.0D, excluding antenna
 Current Consumption: 30mA maximum
 Operating Temperature: 32o F - 140o F (0 o C - 60o C)
 Maximum Humidity: 90% relative humidity, non-condensing

The two operating modes of the receiver are "Run" and "Setup". In Run Mode, with the receiver connected to and communicating with the controller, the Mode LED (see **Figure 2**) should blink once per second. The receiver monitors the status of each transmitter. If the status condition of a transmitter changes, it is reported to the receiver and the information is updated on the LED display and the Status LED will flash. The transmitter number flashes on the display and the Status LED flashes whenever a report is received from a transmitter. The display will continually display the status of any transmitters that are violated (not ready) or that have trouble. The transmitter number flashes on the display followed by the status condition(s).



LED DISPLAY	INFORMATION ABOUT THE LED DISPLAY
1.1	Displays the number of the transmitter with a change in condition.
A L	Displays that the current transmitter is "NOT READY".
C O	Displays that the cover was removed from the current transmitter.
S F	Displays that the current transmitter has a supervision failure.
L O	Displays that the current transmitter has reported a battery low.

NOTE: If the receiver is not communicating with the controller, the Mode LED will blink four times per second.

SET - The Set switch (see Figure 2) is used to increment or change the current selection.

MODE /ADVANCE - The Mode/Advance switch (see Figure 2) is used to enter Setup Mode, advance to the next Setup item, and to confirm a selection. It is also used to exit Setup Mode.

LED DISPLAY - The LED Display (see Figure 2) is used to show the status of each transmitter and to ensure proper setup.

MODE LED - In Run Mode, the Mode LED (see Figure 2) is used to indicate communication status with the controller. In Setup Mode, the Mode LED is used to indicate if a transmitter sends a restore code.

TYPE LED - In Setup Mode, the Type LED (see Figure 2) is used to indicate if a transmitter is supervised.

SETUP MODE - The Setup Mode is used to configure the general operating parameters of the receiver, to program a transmitter into the receiver, and to change the characteristics of a programmed transmitter. The Mode LED does not blink in Setup Mode.

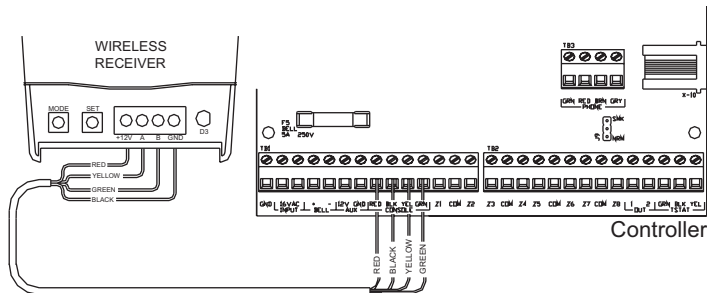
To enter the Setup Mode:

- A. Press and hold the Mode/Advance switch for approximately two seconds.
- B. Press the Set switch to increment the value of a Setup item.
- C. Press the Mode/Advance switch to advance to the next Setup item.

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320**.

Leviton warrants to the original consumer purchaser, and not for the benefit of anyone else, that products manufactured by Leviton under the Leviton brand name ("Product") will be free from defects in material and workmanship for the time periods indicated below, whichever is shorter: • **OmniPro II and Lumina Pro:** three (3) years from installation or 42 months from manufacture date. • **OmniLit, Omni Lite, and Lumina:** two (2) years from installation or 30 months from manufacture date. • **Thermostats, Accessories:** two (2) years from installation or 30 months from manufacture date. • **Batteries:** Rechargeable batteries in products are warranted for ninety (90) days from date of purchase. **Note:** Primary (non-rechargeable) batteries shipped in products are not warranted. **Products with Windows® Operating Systems:** During the warranty period, Leviton will restore corrupted operating systems to factory default at no charge, provided that the product has been used as originally intended. Installation of non-Leviton software or modification of the operating system voids this warranty. Leviton's obligation under this Limited Warranty is limited to the repair or replacement, at Leviton's option, of Product that fails due to defect in material or workmanship. Leviton reserves the right to replace product under this Limited Warranty with new or remanufactured product. Leviton will not be responsible for labor costs of removal or reinstallation of Product. The repaired or replaced product is then warranted under the terms of this Limited Warranty for the remainder of the original warranty period. If the product is replaced, the original warranty period will be extended to match the original warranty period. **Limitations:** Leviton's obligation under this Limited Warranty is limited to the repair or replacement of the Product. Leviton is not responsible for issues related to improper installation, including failure to follow written installation and operation instructions, normal wear and tear, catastrophe, fault or negligence of the user or other problems external to the Product. To view complete warranty and instructions for returning product, please visit us at www.leviton.com.

Use herein of third party trademarks, service marks, trade names, brand names and/or product names are for informational purposes only, are/may be the trademarks of their respective owners; such use is not meant to imply affiliation, sponsorship, or endorsement.



OMNILT SETUP

- At a console, select "Installer Setup" (press 9, installer code, then #). Press 2 for "Zones", and then press 1 # ("Wireless Receiver?" Yes = 1).
 - When connected to OmniLT, Zones 9-24 are the wireless receiver zones.
 - When connected to OmniLT, the receiver address on the 45A00-1 must be set to "A1" and the number of addresses must be set to "n1".
 - OmniLT can handle up to 4 transmitters per zone.
- The chart below shows the relationship of each wireless transmitter on the 45A00-1 Wireless Receiver to each zone on the OmniLT.

Zones on OmniLT	Transmitter Numbers on Wireless Receiver			
Zone 09	1	17	33	49
Zone 10	2	18	34	50
Zone 11	3	19	35	51
Zone 12	4	20	36	52
Zone 13	5	21	37	53
Zone 14	6	22	38	54
Zone 15	7	23	39	55
Zone 16	8	24	40	56
Zone 17	9	25	41	57
Zone 18	10	26	42	58
Zone 19	11	27	43	59
Zone 20	12	28	44	60
Zone 21	13	29	45	61
Zone 22	14	30	46	62
Zone 23	15	31	47	63
Zone 24	16	32	48	64

CONNECTING TO OMNI II, LUMINA, OMNIPRO II, OR LUMINA PRO

Connect the receiver to the Omni II, Lumina, OmniPro II, or Lumina Pro controller using 4-conductor, 22-gauge or larger wire as follows:

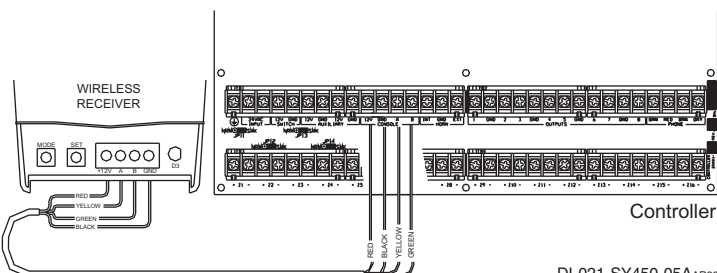
- Connect the "A" & "B" terminals of the 45A00-1 to the "A" & "B" terminals under the section marked "CONSOLE" on the controller.
- Connect the "+12" and "GND" terminals of the 45A00-1 to the "12V" and "GND" terminals under the section marked "CONSOLE" on the controller. Verify that the Status LED on the receiver is illuminated.

OMNI II AND LUMINA SETUP

- At a console, select "Installer Setup" (press 9, installer code, then #). Press 2 for "Zones", and then press 1 # ("Wireless Receiver?" Yes = 1).
- When connected to Omni II / Lumina, Zones 33-48 are the wireless receiver zones.
- When connected to Omni II / Lumina, the receiver address on the 45A00-1 must be set to "A1" and the number of addresses must be set to "n1".
- Omni II can handle up to 4 transmitters per zone.

The chart below shows the relationship of each wireless transmitter on the 45A00-1 Wireless Receiver to each zone on the Omni II / Lumina.

Zones on Omni II / Lumina	Transmitter Numbers on Wireless Receiver			
Zone 33	1	17	33	49
Zone 34	2	18	34	50
Zone 35	3	19	35	51
Zone 36	4	20	36	52
Zone 37	5	21	37	53
Zone 38	6	22	38	54
Zone 39	7	23	39	55
Zone 40	8	24	40	56
Zone 41	9	25	41	57
Zone 42	10	26	42	58
Zone 43	11	27	43	59
Zone 44	12	28	44	60
Zone 45	13	29	45	61
Zone 46	14	30	46	62
Zone 47	15	31	47	63
Zone 48	16	32	48	64



DI-021-SY450-05AAR2243

OMNIPRO II AND LUMINA PRO SETUP

- OmniPro II and Lumina Pro can have two 45A00-1 Wireless Receivers connected. When connected, the 45A00-1 is recognized as an Expansion Enclosure. Each 45A00-1 can handle up to 64 wireless zones, in groups of 16. Each group of 16 zones is considered 1 Expansion Enclosure (8 Expansion Enclosures maximum).
- At a console, select "Installer Setup" (press 9, installer code, then #). Press 2 for "Zones". Press the down arrow once, then enter the number of expansion enclosures (groups of 16 wireless zones) being used.
- The wireless zones on the OmniPro II and Lumina Pro start on Zone 49 (if no hardwire expansion enclosures are used).
- The 45A00-1 address is set at 1 (A1) (if no hardwire expansion enclosures are used).
- If the OmniPro II / Lumina Pro has 1 hardwire expansion enclosure, the wireless zones start on Zone 65. The 45A00-1 address is then set to 2 (A2).
- If the OmniPro II / Lumina Pro has 2 hardwire expansion enclosures, the wireless zones start on Zone 81. The 45A00-1 address is then set to 3 (A3).
- If the OmniPro II / Lumina Pro has 3 hardwire expansion enclosures, the wireless zones start on Zone 97. The 45A00-1 address is then set to 4 (A4).
- If the OmniPro II / Lumina Pro has 4 hardwire expansion enclosure, the wireless zones start on Zone 113. The 45A00-1 address is then set to 5 (A5).
- If the OmniPro II / Lumina Pro has 5 hardwire expansion enclosures, the wireless zones start on Zone 129. The 45A00-1 address is then set to 6 (A6).
- If the OmniPro II / Lumina Pro has 6 hardwire expansion enclosures, the wireless zones start on Zone 145. The 45A00-1 address is then set to 7 (A7).
- If the OmniPro II / Lumina Pro has 7 hardwire expansion enclosures, the wireless zones start on Zone 161. The 45A00-1 address is then set to 8 (A8).

NOTE: If two 45A00-1 Wireless Receivers are connected, the first 45A00-1 must be addressed between 1-4 (A1-A4), and the second must be addressed between 5-8 (A5-A8). The charts below describe where each group of wireless transmitters (groups of 16) on the 45A00-1 Wireless Receiver relates to each group of zones (groups of 16) on the OmniPro II / Lumina Pro in accordance with the number of addresses assigned (n1-4).

Zones on OmniPro II / Lumina Pro (in groups of 16) when 45A00-1 is set to address "A1"				
	Zones 49-64	Zones 65-80	Zones 81-96	Zones 97-112
n1	Transmitters: 1-16, 17-32, 33-48, and 49-64			
n2	Transmitters: 1-16 and 33-48	Transmitters: 17-32 and 49-64		
n3	Transmitters: 1-16 and 49-64	Transmitters: 17-32	Transmitters: 33-48	
n4	Transmitters: 1-16	Transmitters: 17-32	Transmitters: 33-48	Transmitters: 49-64

Zones on OmniPro II / Lumina Pro (in groups of 16) when 45A00-1 is set to address "A5"				
	Zones 113-128	Zones 129-144	Zones 145-160	Zones 161-176
n1	Transmitters: 1-16, 17-32, 33-48, and 49-64			
n2	Transmitters: 1-16 and 33-48	Transmitters: 17-32 and 49-64		
n3	Transmitters: 1-16 and 49-64	Transmitters: 17-32	Transmitters: 33-48	
n4	Transmitters: 1-16	Transmitters: 17-32	Transmitters: 33-48	Transmitters: 49-64

Leviton CONTROLLER INDICATIONS

When the condition of a transmitter changes state, the Leviton console will display that condition as follows:

Transmitter Condition	Console Display
When a transmitter (zone) is violated	Zone Name "NOT RDY"
When a cover is removed from a transmitter	Zone Name "NOT RDY"
When a supervisory failure is reported	Zone Name "TRBL NOW"
When a battery low is reported	Zone Name "HAD TRBL"

To enter Setup Mode, press and hold the Mode/Advance switch for 2 seconds.

DISPLAY	DESCRIPTION	SET SWITCH	MODE/ADVANCE SWITCH
A 1	Enter the receiver address	Changes the current address (1-8)	Advances to the next item
n 1	Enter number of addresses	Changes number of addresses (1-4)	Advances to the next item
1	Displays the status of transmitter 1	Changes characteristics of transmitter	Advances to the next transmitter
2	Displays the status of transmitter 2	Changes characteristics of transmitter	Advances to the next transmitter
3	Displays the status of transmitter 3	Changes characteristics of transmitter	Advances to the next transmitter

Characteristics of Transmitters:

DISPLAY	MODE LED	TYPE LED	DESCRIPTION OF THE DISPLAY
1	OFF	OFF	No transmitter is programmed at this address
1*	OFF	BLINKS	This transmitter is not supervised and doesn't send restore transmissions
.1*	ON	BLINKS	This transmitter is not supervised but sends restore transmissions
1.	OFF	ON	This transmitter is supervised but doesn't send restore transmissions
.1.	ON	ON	This transmitter is supervised and sends restore transmissions

To reset memory, press and hold the Set and Mode/Advance switches together for 2 seconds.

DISPLAY	DESCRIPTION	SET SWITCH
E E	Erase EEPROM ? (Reset Memory)	Press and hold Set & Mode/Advance switches together for 2 seconds

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.