

A-Line Series Controls

HUNT *Simplicity*® Architectural Full Range Rotary Dimmers

For use with Magnetic Low Voltage Transformers
120V and 277V



<u>120V</u>	<u>277V</u>
ALV-6	ALV-647
ALV-10	ALV-1047

<u>120V</u>	<u>277V</u>
ALV-15	ALV-2047
ALV-20	

Hunt Control Systems Inc.
200 Rome Court
Fort Collins CO 80524

Product Description:

- Continuous, flicker-free dimming control.
- Operates compatible magnetic low voltage transformers.
- Commercial-grade, rotary design.
- Heat sink fins break off for ganging.
- Limited one-year warranty.

Features:

- Solid-state circuitry.
- RFI filter.
- UL Listed.
- Fits in a standard 2" deep single-gang back box.
- Maximum wattage load per dimmer:
 ALV-6, ALV-647: 600 volt-amps (480 watts)
 ALV-10, ALV-1047: 1000 volt-amps (800 watts)
 ALV-15: 1500 volt-amps (1200 watts)
 ALV-20, ALV-2047: 2000 volt-amps (1600 watts)

Dimensions:

ALV-6, ALV-647, ALV-10, ALV-1047: 3"W x 4 1/2"H
 ALV-15, ALV-20, ALV-2047: 4 3/4"W x 4 1/2"H
 Backbox dimensions for all models: 1 5/8" x 2 5/8" x 1 3/8"

Tel: (970) 484-9048
 Fax: (970) 493-4125
huntedimming.com

Dimming.

It's all we do.
 Since 1960.

Installation and Wiring Instructions for HUNT *Simplicity*[®] Low Voltage Controls 120V

These dimmers are for use with compatible magnetic low voltage transformers in 120V, 60Hz applications only.

Models:

A-Line Series: ALV-6, ALV-10, ALV-15, ALV-20
Accent Series: ASLV-6, ASLV-10, ASLV-15, ASLV-20
Omega Series: SCLV-6, SCLV-10, SCLV-15, SCLV-20
Luminist Series: DLV-10, DLV-10-3W, DLV-15, DLV-15-3W

Load: ALV-6, ASLV-6, SCLV-6:	600 VA (480 watts)
ALV-10, ASLV-10, SCLV-10, DLV-10, DLV-10-3W:	1000 VA (800 watts)
ALV-15, ASLV-15, SCLV-15, DLV-15, DLV-15-3W:	1500 VA (1200 watts)
ALV-20, ASLV-20, SCLV-20:	2000 VA (1600 watts)

Caution:

To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance, or a transformer-supplied appliance.

Avertissement:

Pour réduire le risque de surchauffes et les dommages possibles à l'autre équipement, ne pas installer pour contrôler une prise, un appareil moteur-fonctionné, ou un transformateur d'alimentation magnétique appareil fourni.

Read Carefully Before Installing Dimmers:

- 1). To avoid fire, personal injury, and/or damage to dimmer, turn power *OFF* at the circuit breaker and test that the power is *OFF* before wiring.
- 2). To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance, a fluorescent lighting fixture, or a transformer-supplied appliance.
- 3). The low voltage dimmer is designed for controlling the primaries of permanently installed compatible low voltage magnetic transformer lighting systems only. (see wiring diagram on reverse side).
- 4). Use this device with copper or copper-clad wire only.

Note:

For protection of transformers, it is recommended that each transformer be protected with an in-line fuse (see wiring diagram on reverse side). When ganging multiple dimmers, derating of 10% per side is necessary. The load is determined by adding the VA rating of the transformers to be controlled. The total load should not exceed the maximum VA rating of the low voltage dimmer.

Wiring:

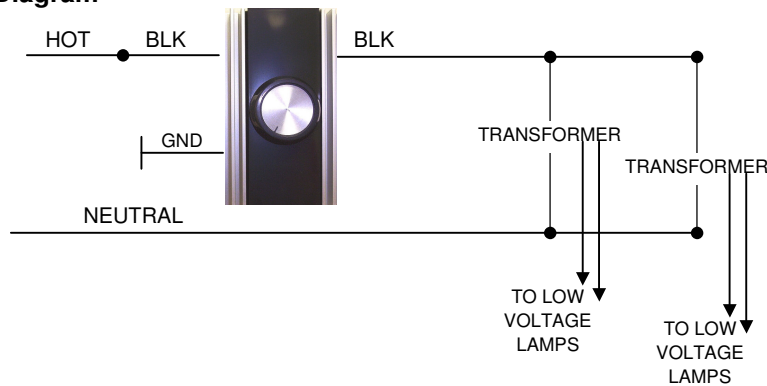
The low voltage dimmer must be wired in series with the primary of the compatible low voltage transformer controlled as shown in wiring diagram (on reverse side).

Hunt Control Systems, Inc.

200 Rome Court
Fort Collins, CO 80524
U.S.A.
Ph: (970) 484-9048
Fx: (970) 493-4125
www.hunt Dimming.com

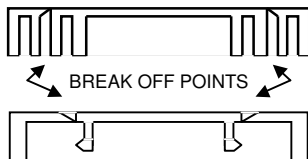
Wiring Diagram for HUNT *Simplicity*[®] Low Voltage Controls 120V

Single Pole Wiring Diagram



Ganging:

All A-Line, Accent & Omega Series dimmers may be ganged in any combination. Refer to tables for wall box requirements and derating. When ganging two dimmers, break off inside fins of each dimmer. When ganging three or more dimmers, break off both sides of interior dimmers, but only inside fins of end dimmers. Break of aluminum fins and faceplate as shown.



Ganged Unit Wall Box Requirements

Number of single gang units	Number of double gang units					
	0	1	2	3	4	5
0	-	1	3	5	7	9
1	1	3	5	7	9	11
2	2	4	6	8	10	12
3	3	5	7	9	11	13
4	4	6	8	10	12	14
Min. size wall box required (in gangs)						

Typical Compatible Low Voltage Transformers

TYPE	RATING
CAPRI ET-1	50VA
(1) CAPRI ET3-2F (REMOTE)	100VA
(1) CAPRI ET4-2F (REMOTE)	250VA
CAPRI KP 5075 (SOLID STATE)	
WIDELIGHT 1T25VA	25VA
WIDELIGHT 1T50VA	50VA
WIDELIGHT 1T100VA	100VA
WIDELIGHT 1T150VA	150VA
HALO L-2001 (SOLID STATE)	50VA
HALO LIGHTING H6591	20VA
HALO LIGHTING H6593	60VA
HALO LIGHTING H6599	180VA
JEFFERSON ELEC. 637-461	50VA
JEFFERSON ELEC. 637-471	100VA
JEFFERSON ELEC. 637-481	150VA
JEFFERSON ELEC. 637-491	250VA
Other transformers may be compatible. Please call factory.	

Omega Series:

In the event that the slide knob is removed during installation, carefully place back onto slide gear. With the gear arm at the 9 o'clock position (as shown), snap slide in place on the lowest position on the chassis.



Hunt Control Systems, Inc.
200 Rome Court
Fort Collins, CO 80524
Ph: (970) 484-9048
Fax: (970) 493-4125
www.hunt Dimming.com

Installation and Wiring Instructions for HUNT *Simplicity*[®] Low Voltage Controls 277V

These dimmers are for use with compatible magnetic low voltage transformers in 277V, 60Hz applications only.

Models:

A-Line Series: ALV-647, ALV-1047, ALV-2047
Accent Series: ASLV-647, ASLV-1047, ASLV-2047
Omega Series: SCLV-647, SCLV-1047, SCLV-2047

Load:

ALV-647, ASLV-647, SCLV-647:	600VA (480 watts)
ALV-1047, ASLV-1047, SCLV-1047:	1000VA (800 watts)
ALV-2047, ASLV-2047, SCLV-2047:	2000VA (1600 watts)

Caution:

To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance, or a transformer-supplied appliance.

Avertissement:

Pour réduire le risque de surchauffes et les dommages possibles à l'autre équipement, ne pas installer pour contrôler une prise, un appareil moteur-fonctionné, ou un transformateur d'alimentation magnétique appareil fourni.

Read Carefully Before Installing Dimmers:

- 1). To avoid fire, personal injury, and/or damage to dimmer, turn power *OFF* at the circuit breaker and test that the power is *OFF* before wiring.
- 2). To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance, a fluorescent lighting fixture, or a transformer-supplied appliance.
- 3). The low voltage dimmer is designed for controlling the primaries of permanently installed compatible low voltage magnetic transformer lighting systems only. (see wiring diagram on reverse side).
- 4). Use this device with copper or copper-clad wire only.

Note:

For protection of transformers, it is recommended that each transformer be protected with an in-line fuse (see wiring diagram on reverse side). When ganging multiple dimmers, derating of 10% per side is necessary. The load is determined by adding the VA rating of the transformers to be controlled. The total load should not exceed the maximum VA rating of the low voltage dimmer.

Wiring:

The low voltage dimmer must be wired in series with the primary of the compatible low voltage transformer controlled as shown in wiring diagram (on reverse side).

Hunt Control Systems, Inc.

200 Rome Court
Fort Collins, CO 80524
U.S.A.

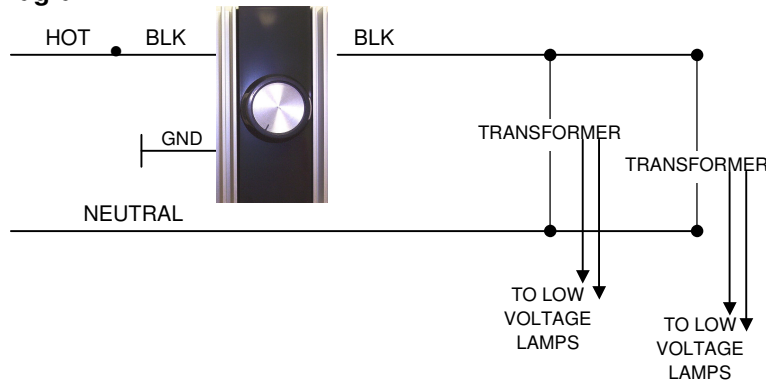
Ph: (970) 484-9048

Fx: (970) 493-4125

www.huntndimming.com

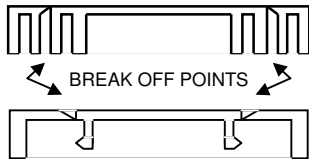
Wiring Diagram for HUNT *Simplicity*[®] Low Voltage Controls 277V

Single Pole Wiring Diagram



Ganging:

All A-Line, Accent, & Omega Series dimmers may be ganged in any combination. Refer to tables for wall box requirements and derating. When ganging two dimmers, break off inside fins of each dimmer. When ganging three or more dimmers, break off both sides of interior dimmers, but only inside fins of end dimmers. Break of aluminum fins and faceplate as shown.



Ganged Unit Wall Box Requirements

	Number of double gang units					
	0	1	2	3	4	5
0	-	1	3	5	7	9
1	1	3	5	7	9	11
2	2	4	6	8	10	12
3	3	5	7	9	11	13
4	4	6	8	10	12	14
Min. size wall box required (in gangs)						

Typical Compatible Low Voltage Transformers

TYPE	RATING
CAPRI ET-1	50VA
(1) CAPRI ET3-2F (REMOTE)	100VA
(1) CAPRI ET4-2F (REMOTE)	250VA
CAPRI KP 5075 (SOLID STATE)	
WIDELIGHT 1T25VA	25VA
WIDELIGHT 1T50VA	50VA
WIDELIGHT 1T100VA	100VA
WIDELIGHT 1T150VA	150VA
HALO L-2001 (SOLID STATE)	50VA
HALO LIGHTING H6591	20VA
HALO LIGHTING H6593	60VA
HALO LIGHTING H6599	180VA
JEFFERSON ELEC. 637-461	50VA
JEFFERSON ELEC. 637-471	100VA
JEFFERSON ELEC. 637-481	150VA
JEFFERSON ELEC. 637-491	250VA
Other transformers may be compatible. Please call factory.	

Omega Series:

In the event that the slide knob is removed during installation, carefully place back onto slide gear. With the gear arm at the 9 o'clock position (as shown), snap slide in place on the lowest position on the chassis.



Hunt Control Systems, Inc.

200 Rome Court
Fort Collins, CO 80524
Ph: (970) 484-9048
Fax: (970) 493-4125
www.hunt Dimming.com