Triac/ELV Dimmer Series

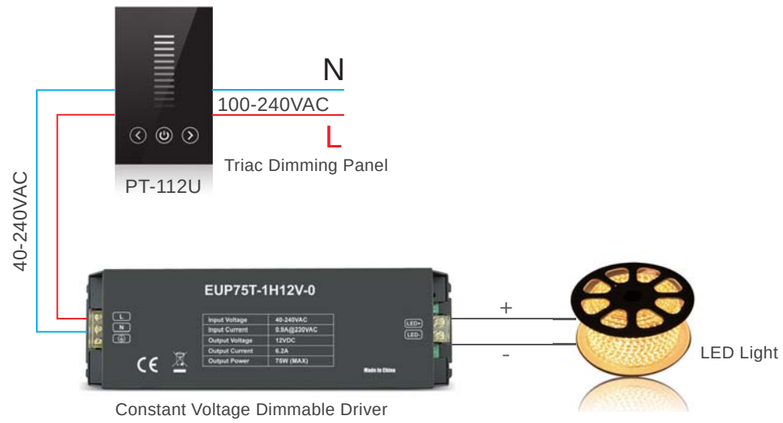
Leading edge dimmer usually uses thyristor as a switching device, so it is also known as Triac dimmer. It starts working from a 0-phase AC voltage, waiting for the trigger to be turned on. Then the AC voltage will be delivered to the load. Changing sine wave by adjusting the conduction angle of each AC half-wave, thereby changing the effective value of the alternating current, in order to achieve the purpose of dimming.

Leading edge dimmer has low costs and is compatible with existing lines, no need of rewiring. So it dominates the market. Most manufacturers also use this type dimmer.

Trailing edge dimmer turns on immediately after a half-wave of the AC voltage begins, when the half-wave voltage reaches the set conduction angle, device shuts down immediately. Similar to Leading edge dimmer, Trailing edge dimmer achieves the purpose of dimming by adjusting the conduction angle. Trailing edge phase cut dimmer usually uses MOSFET as a switching device but not thyristor, because device won't shut down immediately but have to wait until the half-wave voltage pass through zero.

Trailing edge phase control dimmer is composed with the trailing edge phase controller, an active switch, zero-crossing detection circuit and overload protection circuit. It can dim incandescent lamps and adapt the electronic transformer load very well. It works very stably and can be widely used. Compared to Leading edge phase cut dimmer, Trailing edge can theoretically better match with LED sources because there is no minimum current requirement.

Wiring Diagram



Triac/ELV Panel Series

PT-112U

Feature

- Support Trailing edge(ELV) Dimmer
- Single channel output, the max current is up to 1A
- Using tempered glass material, stylish appearance
- Controlled by touchable buttons, easy to learn and use

PT-112U

Description

Single loop smart lighting control panel, replace traditional dimming knob, can be applied to small space of lighting control.

Parameter

SELV RoHS CE

Item No.	Input Voltage	Output Current	Output Voltage	Output power	G.W.(g)	Size(mm)
PT-112U	100-240VAC	1A*1Channel	40-240VAC	220W	240	120*74*42

Triac/ELV Master Controller Series

DIM105　　DIM105L

Constant Voltage Dimmer Series

Feature

- 0-100% brightness control, the smooth dimming carve, no flicker
- Power LED to indicate current status
- Over current and short circuit protection
- Dimming curve difference can be adjusted by adjustable resistance

Parameter

RoHS CE

Item No.	Input Voltage	Output Current	Output Power	Dim Mode	Dimming Voltage	G.W.(g)	Size(mm)
DIM105	12-24VDC	15A*1Channel	180-360W	Triac/ELV	40-220VAC	115.5	167*52*24
DIM105L	12-24VDC	15A*1Channel	180-360W	Triac/ELV	40-110VAC	115.5	167*52*24

Triac Bleeder Pro

Feature

- Active compensation circuit
- With over temperature protection
- Load compensation for thyristor controlled silicon

Parameter

RoHS CE

Item No.	Input Voltage	Power (Typical)	Current	G.W.(g)	Size(mm)
Triac Bleeder Pro	110VAC – 240VAC	4W@110VAC / 3.4W@220VAC	44mA@110VAC / 31.5mA@220VAC	245	144*63*40

Triac Bleeder TB01

Feature

- Active compensation
- Wide input voltage of 100VAC ~ 240VAC
- Suitable for TRIAC circuit load compensation

Item No.	Input Voltage	Power (Typical)	Current	G.W.(g)	Size(mm)
Triac Bleeder TB01	100VAC – 240VAC	3W@115VAC / 1.5W@230VAC	37mA@115VAC / 24mA@230VAC	75	73*36*29

Walldim105 (Triac)　Walldim106 (ELV)

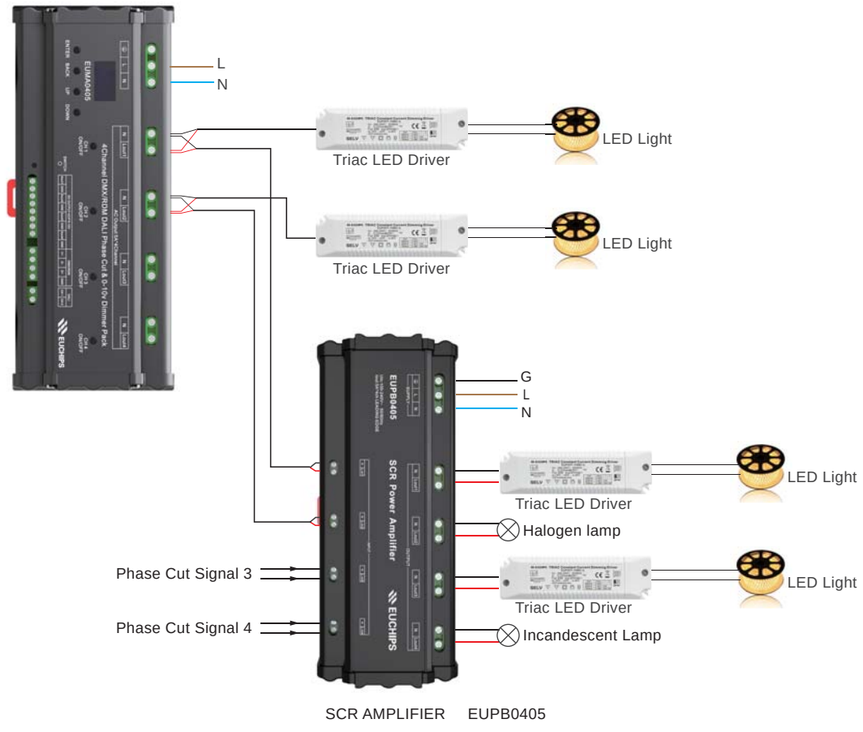
Triac / ELV Dimmer

Feature

- Support leading edge for Walldim 105
- Support trailing edge for Walldim 106
- Suitable for phase cut dimming power supply, incandescent lamp, etc.
- High flame retardant material, high temperature resistance impact
- Elegant, easy to operate,with fashionable and elegant appearance
- Can directly replace the existing wall switch

Item No.	Input Voltage	Standby loss	Load range	G.W.(g)	Size(mm)
Walldim105	200-240VAC	< 0.1W	4-500W	110	86*86*50
Walldim106	200-240VAC	< 0.1W	4-400W	110	86*86*50

Wiring Diagram



Triac/ELV Master Controller Series

EUPB0105

SCR AMPLIFIER

Feature

- Single channel output of 5A
- Accept leading and trailing edge signal,output leading edge
- Standard 35 mm din rail, convenient installation
- Suitable for use with TRIAC dimming driver, incandescent, low voltage, neon and selected fluorescent fixtures.

Parameter

Item No.	Input Voltage	Output Current	Output power	G.W.(g)	Size(mm)
EUPB0105	100~240V	5A*1Channel	1100W	380	121.5*96.5*65.5

EUPB0405

SCR AMPLIFIER

Feature

- Single channel output of 5A
- Accept leading and trailing edge signal,output leading edge
- Standard 35 mm din rail, convenient installation
- Suitable for use with TRIAC dimming driver, incandescent, low voltage, neon and selected fluorescent fixtures.

Parameter

Item No.	Input Voltage	Output Current	Output power	G.W.(g)	Size(mm)
EUPB0405	100~240V	5A*4Channel	4400W	950	222.5*96.5*65.5

EUCS0405

Power sensor

Feature

- AC input terminal voltage, current, power, power factor
- Sampling accuracy 5%
- Standard 35 mm din rail, convenient installation

Parameter

Item No.	Input voltage range	Input current sampling range	Output Current	G.W.(g)	Size(mm)
EUCS0405	0-277VAC	0-5Aac	10A*4Channels	TBD	TBD

Constant Voltage Dimmable Driver Series

Feature

- Support Leading edge (TRIAC) and Trailing edge (ELV)
- Indicator light of power supply
- Output short-circuit protection, over load protection, over current protection
- Smooth dimming curve, no flicker

Description

Suitable for various constant voltage indoor LED lightings, such as LED strip light, LED flood light, etc. Widely used in hotel, market, office, home, etc.

Parameter

Item No.	Input Voltage	Output Current	Output Voltage	Output Power	Dim Mode	G.W.(g)	Size(mm)
EUP12T-1W12V-1	200-240VAC	1A*1Channel	12VDC	12W	Triac/ELV	85	73*36*29
EUP40T-1W12V-0	200-240VAC	3.3A*1Channel	12VDC	40W	Triac/ELV	210	137*82*31
EUP40T-1W24V-0	200-240VAC	1.67A*1Channel	24VDC	40W	Triac/ELV	210	137*82*31
EUP75T-1H12V-0	200-240VAC	6.2A*1Channel	12VDC	75W	Triac/ELV	380	204*54*33
EUP75T-1H24V-0	200-240VAC	3.1A*1Channel	24VDC	75W	Triac/ELV	380	204*54*33
EUP75T-1H12V-0E1	200-240VAC	6.2A*1Channel	12VDC	75W	Triac/ELV	300	210*57*34
EUP75T-1H24V-0E1	200-240VAC	3.1A*1Channel	24VDC	75W	Triac/ELV	300	210*57*34
EUP75T-1H12V-0WP	200-240VAC	6.2A*1Channel	12VDC	75W	Triac/ELV	462	188 *52*35
EUP75T-1H24V-0WP	200-240VAC	3.1A*1Channel	24VDC	75W	Triac/ELV	462	188 *52*35
EUP120T-1W12V-0	200-240VAC	10A*1Channel	12VDC	120W	Triac/ELV	515	196*75*40
EUP120T-1W24V-0	200-240VAC	5A*1Channel	24VDC	120W	Triac/ELV	670	196*75*40
EUP150T-1H12V-0	200-240VAC	12.5A*1Channel	12VDC	150W	Triac/ELV	842	260*78.3*45
EUP150T-1H24V-0	200-240VAC	6.25A*1Channel	24VDC	150W	Triac/ELV	842	260*78.3*45
EUP300T-1H12V-0WP	200-240VAC	25A*1Channel	12VDC	300W	Triac/ELV	1500	307*70*44
EUP300T-1H24V-0WP	200-240VAC	12.5A*1Channel	24VDC	300W	Triac/ELV	1500	307*70*44
DIM106H-12	200-240VAC	12.5A*1Channel	12VDC	150W	Triac/ELV	612	200*98*39
DIM106H-24	200-240VAC	6.25A*1Channel	24VDC	150W	Triac/ELV	612	200*98*39
DIM107H-12	200-240VAC	8.5A*1Channel	12VDC	100W	Triac/ELV	566	200*98*39
DIM107H-24	200-240VAC	4.5A*1Channel	24VDC	100W	Triac/ELV	566	200*98*39

Constant Voltage Dimmable Driver Series

EUP12T-1W12V-1

EUP40T-1W12V-0

EUP40T-1W24V-0

EUP75T-1H12V-0

EUP75T-1H24V-0

EUP75T-1H12V-0E1
EUP75T-1H24V-0E1

IP67

EUP75T-1H12V-0WP

IP67

EUP75T-1H24V-0WP

EUP120T-1W12V-0

EUP120T-1W24V-0

EUP150T-1H12V-0

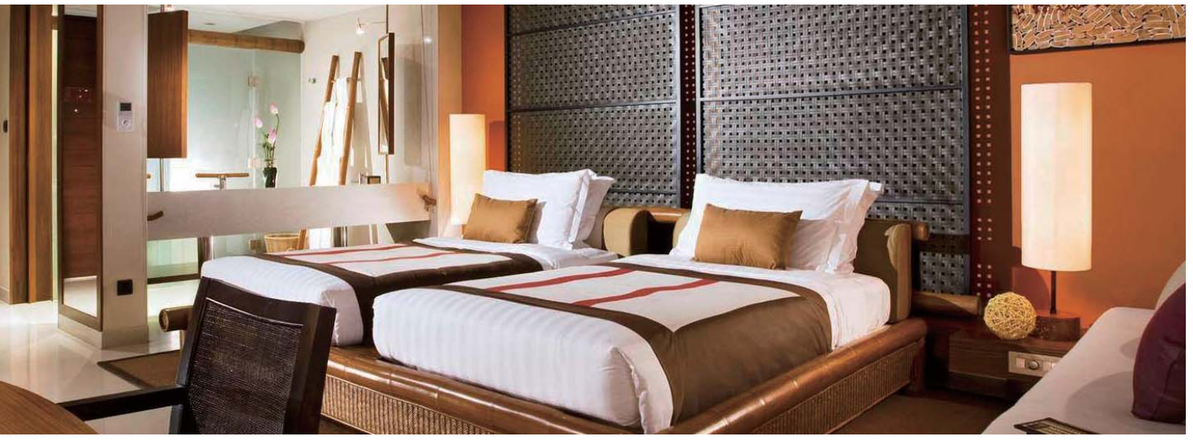
EUP150T-1H24V-0

IP65

EUP300T-1H24V-0WP

DIM106H-12
DIM106H-24

DIM107H-12
DIM107H-24



Constant Current Dimmable Driver Series

Feature

- Multi-current selection
- Support Leading edge (TRIAC) and Trailing edge (ELV) Dimmer
- Smooth dimming curve
- Output short circuit protection and over current protection

Description

Suitable for various constant current indoor LED lightings, such as LED down light, COB spotlight, ceiling light, panel light, etc.

Widely used in hotel, market, office, home, etc.

EUP6T-1H350C-0
EUP6T-1H700C-0

EUP12T-1HMC-0
EUP15T-1HMC-0

EUP18T-MC-0

EUP20T-1HMC-0
EUP30T-1HMC-0

EUP30T-MC-0
EUP45T-1WMC-0

EUP60T-1HMC-0

IP67

EUP60T-1HMC-0WP

IP67

EUP100T-1HMC-0WP

Parameter

RoHS CE

Item No.	Input Voltage	Output Current	Output Voltage	Output Power	Dim Mode	G.W.(g)	Size(mm)
EUP6T-1H350C-0	200-240VAC	350mA*1Ch	11-17VDC	6W	Triac/ELV	60	94*30*21
EUP6T-1H700C-0	200-240VAC	700mA*1Ch	6-9VDC	6W	Triac/ELV	60	94*30*21
EUP12T-1HMC-0	200-240VAC	180/240/300mA*1Ch	3-42VDC	12W	Triac/ELV	130	150*43*29
EUP15T-1HMC-0	200-240VAC	350/500/700mA*1Ch	3-42VDC	15W	Triac/ELV	130	150*43*29
EUP18T-MC-0	200-240VAC	350/500/700mA*1Ch	3-48VDC	18W	Triac/ELV	140	102*66*30
EUP20T-1HMC-0	200-240VAC	350/500/700mA*1Ch	9-40VDC	20W	Triac/ELV	130	153*41*28
EUP30T-1HMC-0	200-240VAC	600/700/900mA*1Ch	3-55VDC	30W	Triac/ELV	120	150*43*29
EUP30T-MC-0	220-240VAC	350/500/700/1050mA*1Ch	3-40VDC	30W	Triac/ELV	175.8	137*81.5*31
EUP45T-1WMC-0	200-240VAC	500/700/900/1050mA*1Ch	33-65VDC	45W	Triac/ELV	225	137*81.5*31
EUP60T-1HMC-0	200-240VAC	900/1050/1200/1400mA*1Ch	24-85VDC	60W	Triac/ELV	240	137*81.5*31
EUP60T-1HMC-0WP	200-240VAC	1050/1200/1400mA*1Ch	9-89VDC	60W	Triac/ELV	TBD	178 *52*35
EUP100T-1HMC-0WP	200-240VAC	1400/1700/2100mA*1Ch	20-90VDC	100W	Triac/ELV	TBD	TBD