

GOGREEN LED TRANSFORMERS









- **LED Transformers**
- SV Single-Voltage
- MV Multi-Voltage
- **HV** High Voltage
- **M Series Stainless** Steel and Aluminum
- WT Weatherproof
- **Direct Burial**
- Plug-in / Hardwire



RXT SERIES TRANSFORMERS NEW SEE PAGES 10-11



PO Q(d = 5530)





WHY USE M SERIES KITS?



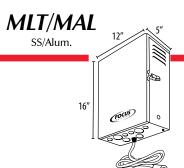
Listing 1598 1838

- 1. Modular design enables fast and easy field upgrades. Add or remove any control device in minutes. No down time!
- 2. Transformer never leaves job site, makes repair work hassle-free. No return of unit to factory.
- 3. Add additional power modules for increased capacities. More lighting for new applications.
- 4. Less inventory required. Stock 1 or 2 main units and kits for upgrading.
- 5. Saves you time and money. Keeps you and your customers happy!









CATALOG # MLT/MAL-312-900 MLT/MAL-412-1200

MLT-412-1200-2DT-RPC REMASR

18 gauge #4 brushed stainless steel enclosure and latchable hinged door.

(-D) Full phase dimmer - 12.5v -0.0v (Not shown)

See factory installed options, page 3

Site Log

80 Amp. extra heavy duty terminal lug. 1-4 cable sets can be placed in each terminal.

> 2 LED indicators for 120v power on & 12v power to terminal

Super Terminal Lug system wiring advantages:

- Fewer tools required
- No need for spade connectors
- Simply place stripped wire in barrel and screw down

8 cooling louvers for maximum heat dissipation

Lug Capacity

3x #8 cable

5x #10 cable

7x #12 cable

-DT) Digital timer Easy to program (Optional) **Photocell Quick Connect**

On/Off switch

Flip bottom for easy access wiring. MST/MLT Series.

6' SJT-WA grounded flat power cord (18/3 - 120v)

Resettable magnetic circuit breakers (overload short circuit protection) on secondary side.

GREAT FEATURE: Supplied with mounting plate and hardware for easy installation (key slotted back).

Combo knockouts for 12v cable conduit feed.

- 4 x 1/2" or 3/4"
- · 2 x 1"
- · 2 x 2"

(-RPC) Remote photocell with 15' cord and mounting hub (available up to 50'). Dusk-to-dawn automatic control. (Optional)

Anti-Noise & Vibration Pads

(-R) 24v VAC or 12v VAC relay access to connect irrigation controller (Optional)





M SERIES

- · Easy replacement of timer or control device.
- · Manual operation.

MST/MLT, MAS/MAL OPTIONS

FACTORY INSTALLED (Add following suffix to catalog number)

- 1. Timer-Ready* (-TR) Timer-ready receptacle for use with plug-in timer. Simply plug-in timer for use.
- X10 Module** Remote control ready using plug-in module and hand held remote.
- Mechanical timer (-T). Not for -TR Transformers.
- 4. Photocell (-PC) attached.* Left or right side of transformer. Specify at time of order. (Right side standard).
- Remote Photocell (-RPC).* Left or right side of transformer. Specify at time of order. (Right side standard).
- Full phase/range factory installed dimmer (-D).* (Reduces output by 1v)
- 12v & 24v VAC Relay for use w/ irrigation controller (-R). Must have an empty station available
- Multi-voltage output (-MV). 12.5v, 13.5v and 14.5v taps (120v only). Optional Multi-voltage input (-MVI): 220,240v 50 Hz or 277v 60 Hz., 300 VA only. 12.5v output only (not shown)
- 9. Digital Timer (-DT) LCD Display with battery backup.
- 10. Astro Timer (-AT) Astronomical Timing Device For Automatic Sunrise & Sunset Activation Based on latitude/longitude coordinates
- *Timer-ready transformers have these options available.
- **Plug-in Timer and X10 Module not supplied through FOCUS Industries. Consult factory for suppliers.

MST-12-300-TR





Hand Held Remote (Supplied By Others)

















MST/MLT, MAS/MAL **SPECIFICATIONS**

- Heavy-duty 18 gauge brushed stainless steel NEMA 3R enclosure with hinged locking door (Lifetime warranty) MST, MLT.
- Heavy-duty aluminum enclosure 18 gauge for MAS, MAL.
- Black polyester powder coat finish standard for outer enclosure MAS, MAL.
- Rain tight enclosure, above grade (Nema 3R Type).
- Long life, high temperature (130°C) 266°F Class 'B' rated Transformers.
- Isolation/insulation type. No contact between 120v and 12v windings. Copper shield.
- 1500v Isolation between all windings and ground.
- 11 gauge cold rolled steel 'L' brackets for stable mounting.
- M19 electrical grade steel for superior electrical and magnetic properties.
- Strip copper secondary windings for lower temperature rise.
- Single phase, open core and coil.
- EL laminated windings (Linear output) vacuumed impregnated with black slate flour. Filled varnish for superior heat dissipation and noise reduction.
- 120v primary, 12.5v secondary 50/60 hertz/cycle standard.
- 6 ft. (18/3) SJT-WA weatherproof grounded powercord (120v).
- On/off control via rocker switch.
- Extra heavy-duty (75A) terminal lug easily handles extra cable sets.
- Resettable magnetic circuit breaker for overload and short circuit protection.
- UL 1838 and 1598 Listed. The Standard for Low Voltage Landscape Lighting Systems.
- All units are supplied with knock-outs for easy upgrading or adding of accessories.
- MAS/MST Series combo knockouts for 12v cable conduit feed available in 2x 1/2" or 3/4", 1x 1" & 1x 2"
- MAL/MLT Series combo knockouts for 12v cable conduit feed available in 4x 1/2" or 3/4", 2x 1" & 2x 2"
- Flip bottom. M Series has easy access wiring and large knockouts.
- Super Terminal lug system wiring advantages: Less tools required, no need for spade connector, simply place stripped wire in barrel and screw down.

POWDER COAT



Black Texture (-BLT) White Bronze Textured (-BRT)

(-RST) Antique Verde (-ATV)

Rubbed Verde (-RBV)

*Excludes RXT Series

M Series Stainless Steel/Aluminum Transformers (cont.)

REMA 3R

UL Listing 1598 1838

When ordering field installed kits, you must specify for use with MST/MAS or MLT/MAL

FIELD INSTALLED KITS



- Digital Timer Kit (-DT KIT)
- Photocell Kit (-PC KIT)
- 4. Remote Photocell Kit (-RPC KIT)
- 5. Full Phase Dimmer Kit (-D KIT)
- 6. 12v / 24v VAC Relay Kits (-R KIT)

MAS/MAL features an aluminum enclosure MST/MLT features a stainless steel enclosure

Note: All kits shown below are plug and go. Each supplied with instructions and all hardware to make the upgrade. Plug 1/4" quick connector to the designated terminal and you're ready to enjoy your new or existing landscape lighting system.



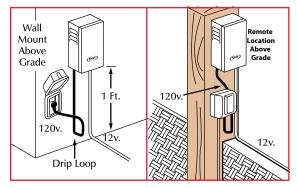












MOUNTING LOCATIONS

Determined by the source of 110v/120v power. Typical mounting locations are closet, garage, car port, attic, basement, utility shed, pool enclosure or house exterior. When used outdoors, you must plug grounded power cord into a ground fault circuit interrupter (GFCI) supplied with weatherproof cover to prevent possible electric shock and/or short circuit as per the National Electric Code (NEC).

MOUNTING INSTRUCTIONS

Mount all M Series weatherproof transformers within 2 ft. of a standard electrical 110v/120v receptacle using the hardware provided (mounting plate and screws) and 1 ft. above ground or grade if installing outdoors. Strip and place voltage direct burial cable in properly designated terminal lug sections and tighten securely. For

Lug System simply place stripped wire in barrier and screw down. Plug grounded power cord into a recommended Ground Fault Circuit Interrupter (GFCI) covered with a weatherproof junction box to prevent possible electric shock and/or short circuit as per the National Electric Code (NEC). Provide a water drip loop for the power cable to prevent water flow directly into the receptacle. SEE ILLUSTRATIONS.

WARRANTIES FOR M SERIES

Limited Lifetime Warranty on stainless steel enclosures. 5 year warranty on aluminum MAS/MAL Transformer Series. 3 year warranty on electrical components. 1 year warranty on Mechanical (-T), Digital (-DT) & Astro (-AT) Time Clocks. No warranty on plug-in timers or other parts not supplied by FOCUS Industries.

UL Listing 1598 1838

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WT-212-600

CATALOG

1 CIRCUIT	2 CIRCUIT
WT-12-60/-MV	WT-212-200
WT-12-100	WT-212-300
WT-12-200	WT-212-600
WT-12-300	

3 CIRCUIT 4 CIRCUIT WT-312-900 WT-412-1200 (3 x 300w) (4 x 300w)

SPECIFICATIONS WT

- Heavy duty extruded aluminum enclosure (.125) 6063-T6 with locking slide cover.
- Powder coated with black gloss polyester finish (optional finishes available).
- Rain tight enclosure, above grade (Nema 3R).
- Long life, high temperature (130°C) rated transformers.
- Isolation/insulation type. No contact between 120v and 12v windings.
- Single phase, open core and coil.
- 120v primary, 12.5v secondary 50/60 hertz/cycle.
- 6 ft. (18/3) SJT-WA weatherproof grounded power cord with flat angle plug (120v).
- Magnetic resettable circuit breakers.
- On/Off control via rocker switch.
- Extra-heavy-duty (75A) terminal block easily handles extra cable sets.
- UL 1838 and 1598 listed. The standard for Low Voltage Landscape Lighting Systems.
- LED power Indicators

WARRANTY 5 year warranty on enclosure. 3 year warranty on mechanical / electrical components. 1 year warranty on Mechanical (-T), Digital (-DT) & Astro (-AT) Time Clocks. No warranty on plug-in timers or other parts not supplied by FOCUS Industries.



WT Series - Weatherproof Transformers



· Easy replacement of timer or control device.

• Manual operation.

WT OPTIONS

FACTORY INSTALLED (Add following suffix to catalog number)

- Timer-Ready* (-TR) Timer-ready receptacle for use with plug-in timer. Simply plug-in timer for use
- 2. X10 Module** Remote control ready using plug-in module and hand held remote.
- Mechanical timer (-T). Not for -TR Transformers.
- Photocell (-PC) attached.*
- Remote Photocell (15' cord) (-RPC)**
- Full phase/range factory installed dimmer (-D) (Reduces output by 1v)
- 7. 12v & 24v VAC Relay for use w/ irrigation controller (-R). Must have an empty station available
- 8. Multi-voltage output (-MV). 12.5v, 13.5v and 14.5v taps (120v only). Optional Multi-voltage input (-MVI): 220,240v 50 Hz or 277v 60 Hz., 300 VA only. 12.5v output only (not shown)
- 9. Accessory knockout plate for 12v cable conduit feed (FA-101). 1/2" knockouts supplied with all Timer (-T) and (-TR) units.
- 10. Digital Timer (-DT) LCD Display with battery backup.
- 11. Astro Timer (-AT) Astronomical Timing Device For Automatic Sunrise And Sunset Activation Based on latitude/longitude coordinates
- *Timer-ready transformers have these options available.
- **Photocell field kit available (RP-CK-IT, PC-KI-T)
- **Intermatic Timer and X10 Module not supplied through FOCUS Industries. Consult factory for suppliers.

For -TR models add 4.00" to transformer height For -MV models add an additional 3.00" to transformer height



WT-12-300-TR

















11"

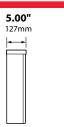
280mm

WT-312-900/MV

WT-412-1200/MV

16.75







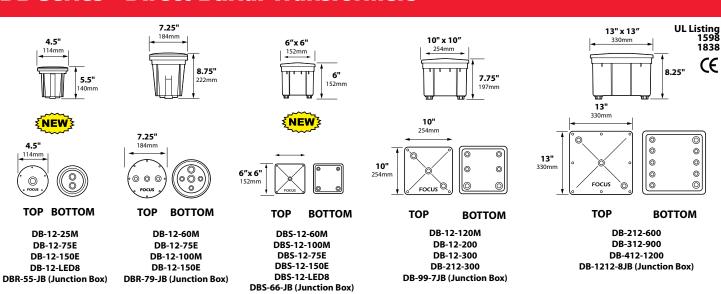
MOUNTING LOCATIONS

Determined by the source of the 110v /120v power. Typical mounting locations are closet, garage, carport, attic, basement, utility shed, pool enclosure or house exterior. When used outdoors, you must plug grounded power cord to a Ground Fault Circuit Interrupter (GFCI) supplied with a weatherproof cover to prevent possible electric shock and/or short circuit as per the National Electric Code (NEC).

MOUNTING INSTRUCTIONS

Mount all WT-Series weatherproof transformers within 2 ft. of a standard electrical 110v/120v receptacle, using the hardware provided (mounting plate and screws) and 1ft. above ground or grade if installing outdoors. Attach and crimp flange spade connectors (supplied) to the ends of the low voltage direct burial cable, place in properly designated terminal block sections and tighten securely. Plug grounded power cord into a recommended ground fault circuit interrupter (GFCI) supplied with a weatherproof cover to prevent possible electric shock and/or short circuit as per The National Electric Code (NEC). Provide a water drip loop for the power cable to prevent water flow directly into the receptacle. SEE ILLUSTRATIONS ABOVE.

DB Series - Direct Burial Transformers







DB-12-200 w/ Photocell (-PC) Mounted On Top

M = MAGNETICE = ELECTRONIC (not for LED)

DB OPTIONS

FACTORY INSTALLED (Add following prefix to catalog number)

- 1. Photocell (-PC) attached.
- 2. 12v / 24v VAC Relay Control (-R).
- 3. Multi-Voltage output (*-MV*); 12.5v, 13.5v and 14.5v taps. Available 60w, 120w, 180w, 300w, 600w, 900w, 1200w
- 4. Top Mount Fixture (for 1-3 fixtures) or photocell. Specify at time of order.
- 5. For 220v, 240v or 277v add (-220v) (-240v) or (-277v) to catalog number. (12.5v output only)







DB-12-100-PC

DB-12-300-R

DB-12-300-MV

SAFETY FEATURES

- Long life, high temperature (130° C) transformers.
- Isolation/insulation type, no contact between 120v and 12v windings.
- Single phase, open core and coil.
- Completely potted for longer life, more efficiency and reduced noise.
- Must be installed by a licensed electrical contractor per local codes.



DB-12-100 W/2 x DL-21

SPECIFICATIONS

- Bronze high temperature fiberglass reinforced composite box and cover (heavy duty).
- Nema 12: below grade enclosure for direct burial applications.
- 2 ft 12/2 cable lead wire for low voltage connections (1 per circuit and voltage tap).
- · Magnetic circuit breaker protection of all models.
- 1/2" NPS mounting hubs on cover. Must specify which hole(s) to tap at time of order, if needed.
- 120v primary, 12.5v secondary, 50/60 hz/cycle standard.

DB Series - Direct Burial Transformers (cont.)

CATALOG NO.	DESCRIPTION	CIRCUI	TS		D
DB-12-25M	25w Magnetic Transformer	1			н
DB-12-75E	75w Electronic Transformer	1	4.5″Ø		н
DB-12-150E	150w Electronic Transformer	1	4.5 Ø		Н
DB-12-LED8	8w LED Driver	1			н
DBS-12-60M	60w Magnetic Transformer	1			н
DBS-12-100M	100w Magnetic Transformer	1	6"x6"	1	н
DBS-12-75E	75w Electronic Transformer	1	0 10		н
DBS-12-150E	150w Electronic Transformer	1			
DBS-12-LED8	8w LED Driver	1			D
DB-12-60M	60w magnetic transformer	1		(Carrier)	
DB-12-100M	100w magnetic transformer	1	7.25″Ø	1	
DB-12-120M	120w magnetic transformer	1		100	
DB-12-200	200w magnetic transformer, (2 core)	1			
DB-12-300	300w magnetic transformer, (1 core)	1		A STATE OF THE PARTY OF THE PAR	
DB-212-300	300w magnetic transformer, (1 core split)	2		1	
DB-212-600	600w magnetic transformer, (1 core split)	2	10"x10"	A	
DB-212-600-2C	600w magnetic transformer, (2 core)	2	10 X10	-	
DB-312-900	600w magnetic transformer, (2 core)	3			
DB-312-900-3C	600w magnetic transformer, (3 core)	3		Marian A	
DB-412-1200	1200w magnetic transformer, (2 core)	4			
DB-412-1200-4C	1200w magnetic transformer, (4 core)	4	13"x13"		
	-				

DB LED DRIVER SPECIFICATIONS:

HW-12-6350120LED: Led Driver 120v input 6w output 350mA HW-12-6350240LED: Led Driver 240v input 6w output 350mA

HW-12-6350277LED: Led Driver 277v input 6w output 350mA **HW-12-8700LED:** Led Driver 120v input 8w output 750mA **HW-12-20700277LED:** Led Driver 277v input 6w output 700mA

HW-12-20MVLED: Led Driver 90-277v input 20w output 0-1.6A HW-12-60LED: LED Driver 120v Input, 60w output powers multiple LEDS

Driver must be within 20' of fixture





DB-212-300 w/ (2x) CDL-20-AC-MR16-BR

DIRECT BURIAL TRANSFORMER OPTIONS

 ADD -MV
 12.5v / 13.5v / 14.5v Multi Voltage output on any single circuit transformer (60/300w)

 ADD -MV1
 (1) 12.5v / 13.5v / 14.5v Multi Voltage output on 2, 3 or 4 circuit transformer (300/600/900,1200w)

 ADD -MV2
 (2) 12.5v / 13.5v / 14.5v Multi Voltage outputs on 2, 3 or 4 circuit transformer (600/900/1200w)

ADD -MV3 (3) 12.5v / 13.5v / 14.5v Multi Voltage outputs on 3 or 4 circuit transformer (900/1200w)

 $\textbf{ADD -MV4} \quad \textbf{(4) } 12.5 \text{v} \, / \, 13.5 \text{v} \, / \, 14.5 \text{v} \, \text{Multi Voltage outputs on 4 circuit transformer (1200 w)}$

ADD -PC Photocell mounted on top
ADD -RPC Remote photocell with 15' cord

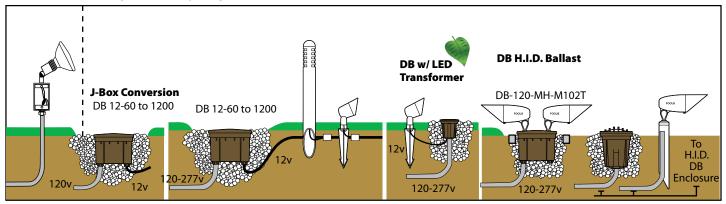
ADD -R 24v VAC Relay control. (For use with existing irrigation controllers)

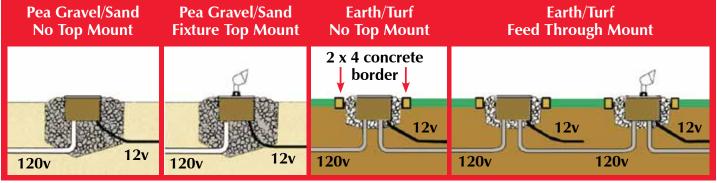
Must have an empty station available

ADD -220V 220v Input / 12.5v output in 300w increments (no multi voltage)
ADD -240V 240v Input / 12.5v output in 300w increments (no multi voltage)
ADD -277V 277v Input / 12.5v output in 300w increments (no multi voltage)

INSTALLATION INSTRUCTIONS

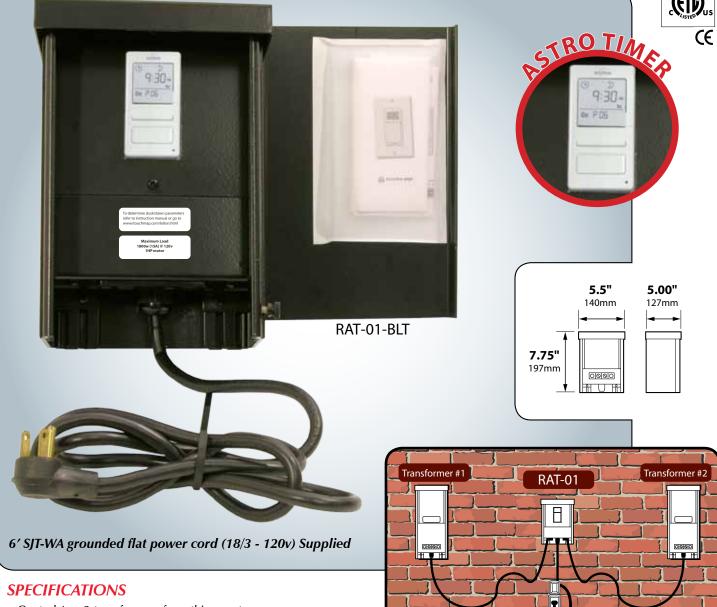
Direct burial transformers must be accessible for servicing. Install at highest grade to allow water to run off; usually 1/2" to 1 1/2" higher than grade. Earth/turf best used with 2 x 4s or concrete border to separate grass from DB enclosure to insure proper drainage and prevent lawn equipment from damaging the unit. The preferred drainage material is pea gravel or sand. Do *NOT* allow water to gather near unit. Do not install in low grade areas. You can mount unit in a valve box, however there must be plenty of room for servicing the unit. All connections and fittings must be liquid tight.











- Control 1 or 2 transformers from this easy to use Plug and Play Astro Timer Control Device
- 1800w (15a) @ 120v compatible with all types of lighting transformers
- Plug and Play no wiring required
- Includes 2 grounded receptacles

FEATURES:

- Astro Timing for automatic sunset/sunrise activation
- Setting based on latitude and longitude coordinates
- 2 program modes for night settings and pre-dawn settings
- Automatically adjusts for Daylight Savings time
- Never needs reprogramming
- Built in memory protects against power failure for up to 4 hrs (no battery required)
- Manual override for standard on/off switch operation

CATALOG NO.	DESCRIPTION
RAT-01-RIT	Remote Astro Timer Black



120v

THE REMEDY RXT SERIES FOCUS QUALITY AT A REDUCED PRICE POINT







SPECIFICATIONS

- 60, 120, 180, 300 and 600 watt output models available
- UL 1838 listed, the "standard" for low voltage landscape lighting systems
- Multi Voltage output standard (12.5, 13.5 & 14.5 volts)



- Super Terminal Lugs with capacity of 3 x #8, 5 x #10
 7 x #12 or 9 x #14 gauge wire
- 304 Stainless Steel enclosure with #4 brushed finish
- Removable Stainless Steel hinged door is lockable and weather sealed
- Above grade, NEMA 3R rated, rain tight enclosure
- LED indicators for instant recognition of 120v and 12v power
- Timer Ready standard (for plug-in timers supplied by others)
- Optional Mechanical Timer (-T), Digital Timer (-DT) and Astro Timer (-AT) face plates can be factory or field installed
 - Photocell Ready with quick connector (not -AT models)
- Supplied with two 1/2" conduit (trade size) holes & one 1-1/2" inlet with plugs
- Bottom panel plus 2 side panel 1/2" conduit (trade size) holes with plugs
- Break away bottom panel swings down for easy access wiring
- 11 gauge cold rolled steel 'L' brackets for stable mounting
- Mounting plate and hardware included



New Deeper Case Accomodates Most Popular Brands Of Digital Timers



- Long life, high efficiency 266°F (130°C) class 'B' rated transformer core
 - Copper shielded isolation/insulation;
 No contact between 120v and 12v windings
- 1500v Isolation between all windings and ground
- Grade M19 electric grade steel for superior electrical and magnetic properties
- Single phase, open core and coil
- E.L. laminated core has concentric winding and is protected by 130°C thermal switch.
- Double vacuumed impregnated with black slate flour
- Filled varnish for superior heat dissipation and noise reduction
- 120v primary, 12.5v secondary 50/60 Hertz/cycle (standard)
- 6 foot 18/3 SJT-WA weatherproof grounded power cord (120v)
- ON/OFF control via rocker switch on 120v side
- Extra heavy duty (80 amp) terminal lugs
- Manually resettable circuit breaker for overload and short circuit protection



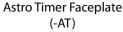


INTERCHANGEABLE FACEPLATES











Digital Timer Faceplate (-DT)

Mechanical Timer

Digital Timer

Astro Timer

Photocell

-AT

-PC



Mechanical Timer Faceplate

Interchangeable faceplates with 3 selections of timers can be installed at factory, distribution level or in the field. Simple installation with only a Phillips screwdriver - no special tools required.

ORDERING INFORMATION			
CATALOG NO.	DESCRIPTION	NUMBER OF CIRCUITS	
RXT-12-60MV	60 watt MV stainless transformer, timer ready	1 circuit	
RXT-12-120MV	120 watt MV stainless transformer, timer ready	1 circuit	
RXT-12-180MV	180 watt MV stainless transformer, timer ready	1 circuit	
RXT-12-300MV	300 watt MV stainless transformer, timer ready	1 circuit	
RXT-12-600MV	600 watt MV stainless transformer, timer ready	2 circuit	
RXT-12-60MVAT	60 watt MV stainless transformer, astro timer	1 circuit	
RXT-12-120MVAT	120 watt MV stainless transformer, astro timer	1 circuit	
RXT-12-180MVAT	180 watt MV stainless transformer, astro timer	1 circuit	
RXT-12-300MVAT	300 watt MV stainless transformer, astro timer	1 circuit	
RXT-12-600MVAT	600 watt MV stainless transformer, astro timer	2 circuit	
RXT-12-60MVDT	60 watt MV stainless transformer, digital timer	1 circuit	
RXT-12-120MVDT	120 watt MV stainless transformer, digital timer	1 circuit	
RXT-12-180MVDT	180 watt MV stainless transformer, digital timer	1 circuit	
RXT-12-300MVDT	300 watt MV stainless transformer, digital timer	1 circuit	
RXT-12-600MVDT	600 watt MV stainless transformer, digital timer	2 circuit	
RXT-12-60MVT	60 watt MV stainless transformer, mechanical tir	mer 1 circuit	
RXT-12-120MVT	120 watt MV stainless transformer, mechanical t	imer 1 circuit	
RXT-12-180MVT	180 watt MV stainless transformer, mechanical t	imer 1 circuit	
RXT-12-300MVT	300 watt MV stainless transformer, mechanical t	imer 1 circuit	
RXT-12-600MVT	600 watt MV stainless transformer, mechanical t	imer 2 circuit	

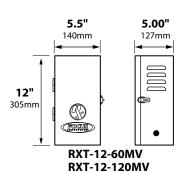
FACEPLATES RXT-FP-AT60 RXT-12-60/-120/-180 Face Plate With Astro-Timer RXT-FP-AT300 RXT-12-300 Face Plate With Astro-Timer RXT-FP-AT600 RXT-12-600 Face Plate With Astro-Timer **CONTROL OPTIONS** RXT-FP-DT60 RXT-12-60/-120/-180 Face Plate With Digital Timer RXT-FP-DT300 RXT-12-300 Face Plate With Digital Timer -DT RXT-FP-DT600 RXT-12-600 Face Plate With Digital Timer RXT-FP-T60 RXT-12-60/-120/-180 Face Plate With Timer RXT-FP-T300 RXT-12-300 Face Plate With Timer RXT-FP-T600 RXT-12-600 Face Plate With Timer RXT-FP-TR60 RXT-12-60/-120/-180 Face Plate With Timer Ready Receptacle RXT-FP-TR300 RXT-12-300 Face Plate With Timer Ready Receptacle RXT-FP-TR600



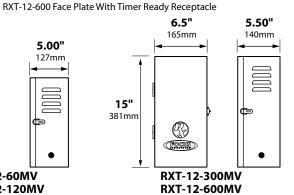
Astro Timer (-AT)



Digital Timer (-DT) & Photocell (-PC)



RXT-12-180MV





HV Series - Stainless Steel High Voltage Transformers

HIGH VOLTAGE STAINLESS STEEL POWER SUPPLIES. 12v - 21v Taps.







Limited Lifetime

Warranty

2 LED indicators for 120v power on & 12v power to terminal

Installation instructions

Rain-tight door gasket

Heavy-duty 18 gauge

#4 brushed stainless

Liquid-tight

Flip bottom

access

panel for easy

connector

steel

Site Log

HV-600-SS

Circuit breaker and magnetic On/Off switch

Timer Ready (-TR)

Optional accessories

- -PC Photocell
- -RPC Remote Photocell
- -R Relay

8 cooling louvers

Stainless steel lockable latch

Large wiring compartment

Plug & Play Photocell **Quick Connector**

Super Terminal Lug system

Lug Capacity 7x #12 cable

5x #10 cable 3x #8 cable

wiring advantages: Fewer tools required

- No need for spade connectors
- · Simply place stripped wire in barrel and screw down

Knockout for photocell available on right or left side

Combo knockouts.

- 2 x 1/2" or 3/4"
- 1 x 1"
- 1 x 2"

Transformer Mounting Plate

Anti-Noise & Vibration Pads







HV-500 *		
TAP	MAX WATTS	
21v =	285	
18v =	333	
16v =	375	
15v =	400	
14v =	428	
13v =	461	
12v =	500	

HV-600 *			
TAP	MAX WATTS		
21v =	343		
18v =	400		
16v =	450		
15v =	480		
14v =	514		
13v =	553		
12v =	600		

HV-900 *			
TAP MAX WATTS			
21v =	516		
18v =	600		
16v =	672		
15v =	720		
14v =	768		
13v =	878		
12v =	900		

HV-1200 (2 x 600) *			
TAP	MAX WATTS		
21v =	343		
18v =	400		
16v =	450		
15v =	480		
14v =	514		
13v =	553		
12v =	600		

HV Transformers were designed to use multiple taps with multiple loads.

If using only one tap follow the single tap load chart.

HV-1200-SS 1200w enclosure

Do not run all your load through a single tap or common. / Do not load more than 25 amps or 300 watts on any single common. / For best results, keep all commons (loads/watts) balanced as close as possible.

6' SJT-WA grounded flat power cord (18/3 - 120v)

HV Series - Stainless Steel High Voltage Transformers

16"

TIMER READY STANDARD

- Timer-ready receptacle for use with plug-in timer.* Simply plug-in timer for use.
- X10 Module* Remote control ready using plug-in module and hand held remote.
- Easy replacement of timer or control device.
- Manual operation.

*Intermatic Timer and X10 Module not supplied through FOCUS Industries. Consult factory for suppliers.

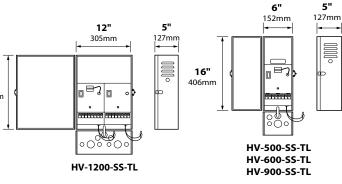
HV OPTIONS

FACTORY OR FIELD INSTALLED (Add following prefix to catalog number).

- Photocell (-PC) attached. Left or right side of transformer. Specify at time of order. (Right side standard).
- Remote Photocell (-RPC) with 15' cord. Left or right side of transformer. Specify at time of order. (Right side standard).
- 3. 12v/24v VAC Relay for use w/ irrigation controller (-R). Must have an empty station available

ORDER INFORMATION

Part No.	No. of Lugs	Commons	Wattage
HV-500-SS-TL	8	3	500w
HV-600-SS-TL	8	3	600w
HV-900-SS-TL	8	4	900w
HV-1200-SS-TL	16	6	1200w







1598 1838



HV SPECIFICATIONS

- Heavy-duty 18 gauge brushed 316 stainless steel NEMA 3R enclosure with hinged locking door (Lifetime warranty).
- Black polyester powder coat finish standard for outer enclosure.
- Rain tight enclosure, above grade (Nema 3R Type).
- Long life, high temperature (130°C) 266°F Class 'B' rated Transformers.
- Isolation/insulation type. No contact between 120v and 12v windings. Copper shield.
- 1500v Isolation between all windings and ground.
- 11 gauge cold rolled steel 'L' brackets for stable mounting.
- M19 electrical grade steel for superior electrical and magnetic properties.
- Strip copper secondary windings for lower temperature rise.
- Single phase, open core and coil.
- EL laminated windings (Linear output) vacuumed impregnated with black slate flour. Filled varnish for superior heat dissipation and noise reduction.
- 120v primary, 12.5v secondary 50/60 hertz/cycle standard.
- 6 ft. (18/3) SJT-WA weatherproof grounded powercord (120v).
- On/off control via rocker switch.
- Extra heavy-duty (80A) terminal lug easily handles extra cable sets.
- Resettable magnetic circuit breaker for overload and short circuit protection.
- UL 1838 and 1598 Listed. The Standard for Low Voltage Landscape Lighting Systems.
- All units are supplied with knock-outs for easy upgrading or adding of accessories.
- HV Series combo knockouts for 12v cable conduit feed available in 2x 1/2" and 3/4, 1x 1", and 1x 2".
- HV 1200 Series combo knockouts for 12v cable conduit feed available in 4x 1/2" and 3/4", 2x 1" and 2x 2."
- Flip bottom. HV Series has easy access wiring and large knockouts.
- Super Terminal lug system wiring advantages: Less tools required, and no need for spade connector. Simply place stripped wire in barrel and screw down.





CPC Series - Central Point Connections



Designed for grouping multiple fixture lead wires into one weatherproof junction box for easy access, connections, easy voltage metering, quick installation and to help distribute equal voltage to each fixture.



UL Listing 1598 1838

Designed for these transformers:

MV (Multi Voltage 12.5, 13.5, 14.5v) HV (High Voltage 12, 13, 14, 15, 16, 18 and 21v) DB Series (Multi Voltage Only)

HERE'S HOW IT WORKS:

- 1. Use a FOCUS MV (12.5v 14.5v) or HV transformer (12v 21v) output or higher.
- 2. Deliver from the transformer 1 to 3 12/2, 10/2 or 8/2 main cables into the CPC unit.
- 3. Bring each fixture lead wire (16/2) 25 feet into the CPC and connect together as shown. Do not cut or reduce the length of 16/2 fixture wire.
- 4. Recommended for the following layouts: 3 to 6 20w fixtures with 25F leads (16/2) or 2 to 4 35w fixtures with 25F leads (16/2).
- 5. The distance from the transformer to the CPC unit and fixture load will determine the tap or voltage needed at the transformer.
- 6. Make sure all loads (fixtures are wired/connected) to determine final voltage needed.
- 7. Pack connections with 3 inches of 3M die-electric sealing tape after tightening lugs (figure1).
- 8. Do not exceed 200 watts per CPC connector.
- 9. Do not cut or shorten fixture lead wires. They must remain the same length to ensure equal voltage to each fixture.
- 10. All fixtures must be the same wattage, otherwise voltage will vary to each fixture.



CATALOG #

FA-CPC-GRAY

FA-CPC-SAND



FA-CPC-SAND
Corrosion Resistant
CPC Connector

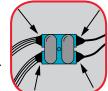
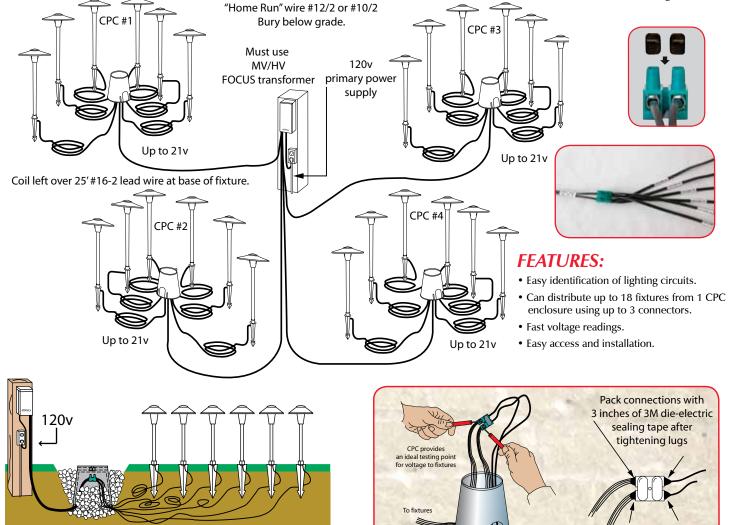


Figure 1



TMS Series - Transformer Mounting System



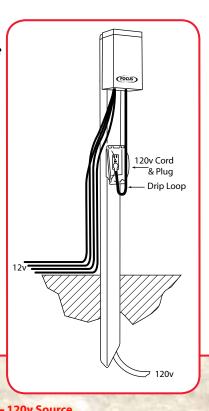
When to use TRANSFORMER MOUNTING SYSTEM:

All applications where 120v power exists away from a structure to provide a safe and economical GFIC protected circuit with weatherproof cover.

Enables 12v power source to be close in proximity to the 12v lighting fixtures reducing voltage drop and cable lengths.

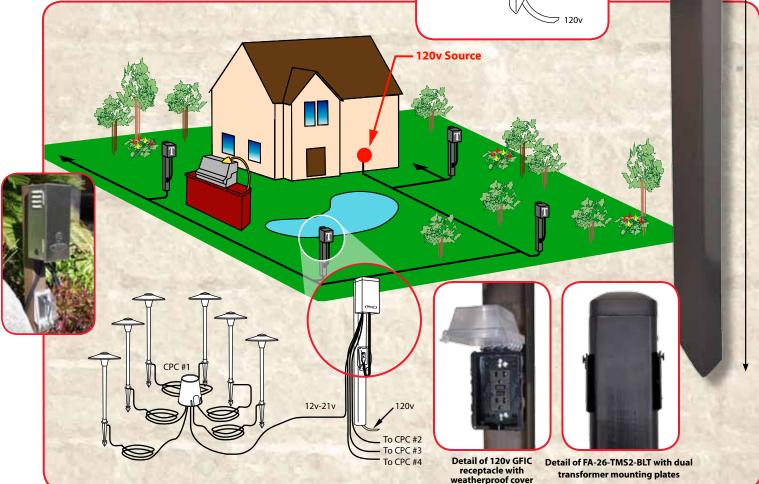
FFATURES:

- Duplex receptacle with LED power indicator.
- Ground Fault Interrupted Circuit (GFIC) protection.
- For use with 1 (-TMS1) or 2 (-TMS2) transformers (specify).
- Put power where you need it.
- · Reduces expensive cable runs.
- Reduces voltage drop to fixtures.
- Non-corrosive ABS mounting pedestal supplies years of trouble-free operation.
- Available in Black (-BLT)(Standard) or Bronze (-BRT)
- · Quick installation.
- · Photocell option available add (-PC) to catalog number



CATALOG #

FA-26-TMS1 (single) FA-26-TMS2 (double)



FA-26-TMS1-BRT

61.5"

Hardwire Transformers

CATALOG # HW-12-75W Hardwire Transformer

SPECIFICATIONS

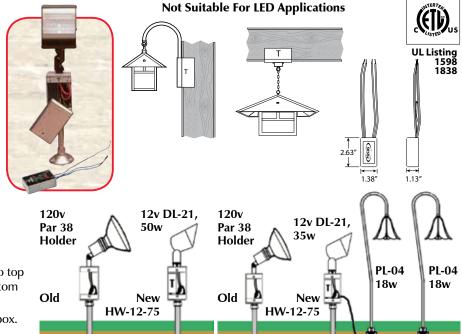
- 120v VAC input/11.5v output 75w Electronic
- · Flame retardant high temperature housing
- No audible noise
- · Lightweight, compact design
- · Electronic short circuit and overload protection
- · Moisture and shock resistant
- 25 kHz operating frequency, 95% efficiency
- 10w minimum load required
- · Minus 25°C starting capability

APPLICATIONS

- Retrofit existing 120v junction boxes to 12v
- Converting to 12 volt allows fixtures to mount to top of J-box or cable distribution on the back or bottom of J-box for additional fixtures.

NOTE: 1 HW unit per single gang weatherproof J-box. For a 2 gang J-Box, 2 units or 150w can be used.

Do not exceed 10 ft from transformer. There is 1v drop for each 10 feet from unit.



Plug-in Transformers

CATALOG # PI-12-75

SPECIFICATIONS

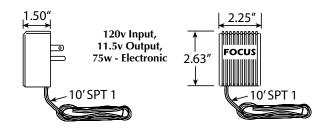
- 120v input, 11.5v output, 75w Electronic
- · Black, flame retardant, high temperature housing
- · No audible noise
- · Lightweight, compact design
- Electronic short circuit and overload protection
- · Moisture and shock resistant
- 25 kHz operating frequency, 95% efficiency
- 10w minimum load required
- Minus 25°C starting capability
- · Nickel plated hospital grade 120v grounded plug.
- 10 ft. 18/2 lead wire supplied

CATALOG # **DESCRIPTION** EST. SHIPPING WT.

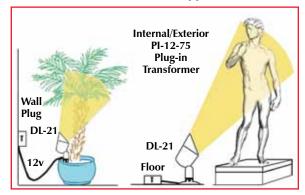
HW-12-75 75w Hardwire Transformer HW-12-150 PI-12-75

1.0 lb. 150w Hardwire Transformer 1.0 lb. 75w Plug-in Transformer 1.0 lb.





Not Suitable For LED Applications



APPLICATIONS

- Instant conversion of 120v receptacle to 12v
- Single or multiple fixtures can be used (not to exceed 75w).
- Suggested for hotel lobbies, atriums, gazebos. Wherever there is a receptacle.
- For highlighting single or multiple objects from a concealed power supply.
- For interior or exterior uses. If used outdoors, must be enclosed in a weatherproof receptacle cover.

Do not exceed 10 ft from transformer. There is 1v drop for each 10 feet from unit.

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