12V DC power supply is equipped with a mounting block that allows for easy snap-in connections and includes a standard 110/120V cord and plug.

**Worldwide use 100V-240V**

- One mounting block included. Add mounting blocks to utilize the full capacity of the power supply.

**Features:**

- Short circuit protection*
- 12V DC output, constant voltage
- Overcurrent protection
- Overload protection*
- RFI protection
- 50,000 hour life supply
- Dimmable on trailing edge (12V side)
- Class 2 or LPS
- Universal System allows you to mix all 12V lights

* Automatic reset (no fuses)

All parts included with purchase of power supply.

---

**Part #** | **Description**
---|---
L-DC-ELT18-CON-1 | 18W 12VDC Power Supply w/6 Snap Mounting Block*
L-DC-ELT60-CON-1 | 60W 12VDC Power Supply w/6 Snap Mounting Block*
L-TRANS-MNT-BL-1 | Extra 6-Snap Mounting Block
L-DCT-EUPKT-BL-1 | 72” (1.8 m) EU Power Cord, Black
L-DCT-UKPKT-BL-1 | 72” (1.8 m) UK Power Cord, Black

Dimmable on trailing edge (12V side). Mounting block and power cord are included.

Power supply specifications are subject to change.

* No resistor necessary - works with all Tresco 12VDC LED fixtures.
Wall Dimmable LED Hardwire Power Supply

**Features:**

- Dimmable by standard LED wall dimmers
- Available in 12W and 50W models
- Electronic units are lower profile and generate less heat than magnetic transformers
- Quiet operation (no humming)
- Works with all Tresco 12VDC dimmable LED fixtures*
- One 6-snap mounting block included
- No minimum load requirements
- Class 2 with short circuit and automatic reset

* No resistor necessary - works with all Tresco 12VDC LED fixtures.

### Part # Description

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-DCE12D-CON-1</td>
<td>12VDC 12W Dimmable LED Power Supply</td>
</tr>
<tr>
<td>L-DCE50D-CON-1</td>
<td>12VDC 50W Dimmable LED Power Supply</td>
</tr>
</tbody>
</table>

Dimmable by traditional line voltage (120V) wall dimmers. Mounting block included. Requires electrician to install.

**Compatible Tresco Wall Dimmers on next page.**

* No resistor necessary - works with all Tresco 12VDC dimmable LED fixtures.
## 120V LED Wall Dimmers

### Lutron Diva® C•L™ Dimmer
- Large paddle switch with a captive linear-slide dimmer for a standard designer wallplate opening
- Preset dimmer
- Offers more reliable dimming performance over standard dimmers
- HED™ technology with advanced dimming circuitry designed for compatibility with most high-efficiency light bulbs
- Low-end adjustment dial

### Lutron Skylark Contour C•L™ Dimmer
- On/off rocker switch with a captive linear-slide dimmer for a standard designer wallplate opening
- Switch returns light to preset light level
- Offers more reliable dimming performance over standard dimmers
- HED™ technology with advanced dimming circuitry designed for compatibility with most high-efficiency light bulbs
- Low-end adjustment dial

---

### EquiLine Power Supplies

#### 15W
- 1-1/4 in. 32 mm
- 1-5/8 in. wide 41 mm wide
- 3 in. 76 mm
- 3-5/16 in. 84 mm

#### 6W
- 1-1/2 in. 38 mm
- 1-1/2 in. wide 38 mm wide
- 2-3/4 in. 70 mm
- 11/16 in. 43 mm

#### Features:
- Short circuit protection*
- 12V DC output, constant voltage
- Overload protection*
- Dimmable on trailing edge (12V side)
- Class 2 or LPS

* Automatic reset [no fuses]
FREEDiM Series Universal Receiver

- 60W Capacity
- Power failure memory
- Multiple receivers can be used on a single power supply or within a room to achieve multiple zones of control
- Install inline between power supply and lights.

Compatible with all four FREEDiM Series controllers

- Deco Wall Dimmers (page 141)
- Mirco Dimmers (page 143)
- 3 & 6 Zone Remotes (page 144)

Universal FREEDiM Series Receiver
L-WLD-1REC-1

Part # | Description
--- | ---
L-WLD-1REC-1 | 12VDC 60W Universal FREEDiM Series Receiver

A single receiver can be programmed to up to 8 different FREEDiM Series remotes/dimmers.

For video visit: trescolighting.com/videos
**FREEDiM Series Deco Wall Dimmer**

- Available in single and 2-zone
- Can be programmed to multiple receivers for more lighting control
- Black, white, or light almond finish
- Fits Decora® style wall plates
- 65 ft. range of control from dimmer to receiver
- Controls all Tresco dimmable low voltage lights
- Unlike traditional hardwire dimmers, you can control the same set of lights from multiple Deco Wall Dimmers

**Part # Description**

- **L-WLD-1WAL-**-1 FREEDiM Series Deco Wall Dimmer
- **L-WLD-2WAL-**-1 FREEDiM Series 2 Zone Deco Wall Dimmer

**Insert BL for Black, WH for White, LA for Light Almond**

A single dimmer can be programmed to up to 10 different receivers. **Must have at least one receiver (WLD-1REC-1) to operate**

**Universal FREEDiM Series Receiver**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-WLD-1REC-1</td>
<td>12VDC 60W Universal FREEDiM Series Receiver</td>
</tr>
</tbody>
</table>

A single receiver can be programmed to up to 8 different FREEDiM Series remotes/dimmers

**Also available in 2-Zone:**

- Battery Compartment (CR1625/1620)

**Easily remove switch from docking tray to replace batteries or use as a remote dimmer**

**Can be mounted to standard wall electrical boxes or to drywall**
FREEDiM SERIES WIRELESS CONTROLLERS

FREEDiM Series Micro Dimmer

- Single zone wireless dimmer
- Black or nickel finish
- Easy to replace, long life lithium battery
- 65 ft. range of control from dimmer to receiver
- Controls all Tresco dimmable low voltage lights

- Integrated magnet allows for mounting to refrigerator or other metallic surfaces
- Easy 2 screw installation

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-WLD-1RND-BL-1</td>
<td>FREEDiM Series Micro Dimmer, Black</td>
</tr>
<tr>
<td>L-WLD-1RND-NI-1</td>
<td>FREEDiM Series Micro Dimmer, Nickel</td>
</tr>
</tbody>
</table>

A single dimmer can be programmed to up to 10 different receivers. Must have at least one receiver (WLD-1REC-1) to operate

<table>
<thead>
<tr>
<th>Universal FREEDiM Series Receiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part #</td>
</tr>
<tr>
<td>L-WLD-1REC-1</td>
</tr>
</tbody>
</table>

A single receiver can be programmed to up to 8 different FREEDiM Series remotes/dimmers
**FREEDiM Series 3 & 6 Zone Remotes**

- Independent control of 3 or 6 lighting zones (respectively) from single remote
- Program additional receivers to separate the lighting in a room into multiple zones that you can control independently
- Set brightness levels of all of the zones to a desired level then save as a “scene”
- 65 ft. range of control from remote to receiver
- Controls all Tresco dimmable low voltage lights

- Integrated magnet allows for mounting to refrigerator or other metallic surfaces

- Docking tray can be screw mounted. Remotes attach to tray magnetically

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-WLD-3RMT-BL-1</td>
<td>FREEDiM Series 3-Zone remote, Black</td>
</tr>
<tr>
<td>L-WLD-6RMT-BL-1</td>
<td>FREEDiM Series 6-Zone Remote, Black</td>
</tr>
</tbody>
</table>

*6-Zone batteries not included

**Universal FREEDiM Series Receiver**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-WLD-1REC-1</td>
<td>Universal FREEDiM Series Receiver</td>
</tr>
</tbody>
</table>

A single receiver can be programmed to up to 8 different FREEDiM Series remotes/dimmers

---

**FREEDiM Series 3 & 6 Zone Remotes**

- Independent control of 3 or 6 lighting zones (respectively) from single remote
- Program additional receivers to separate the lighting in a room into multiple zones that you can control independently
- Set brightness levels of all of the zones to a desired level then save as a “scene”
- 65 ft. range of control from remote to receiver
- Controls all Tresco dimmable low voltage lights

- Integrated magnet allows for mounting to refrigerator or other metallic surfaces

- Docking tray can be screw mounted. Remotes attach to tray magnetically

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<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-WLD-3RMT-BL-1</td>
<td>FREEDiM Series 3-Zone remote, Black</td>
</tr>
<tr>
<td>L-WLD-6RMT-BL-1</td>
<td>FREEDiM Series 6-Zone Remote, Black</td>
</tr>
</tbody>
</table>

*6-Zone batteries not included

**Universal FREEDiM Series Receiver**

<table>
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<tr>
<th>Part #</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>L-WLD-1REC-1</td>
<td>Universal FREEDiM Series Receiver</td>
</tr>
</tbody>
</table>

A single receiver can be programmed to up to 8 different FREEDiM Series remotes/dimmers

---
12VDC Oval Controllers

**Proximity Controller**
Swipe hand across to turn on/off
- Max wattage: 27W
- Sensor range: 2" (50 mm)
- Cable input: 79" (2 m)
- Cable output: 6" (152 mm)
- Finish: Nickel/Black

**Door Sensor Controller**
Door open, light on; door closed, light off
- Max wattage: 60W
- Sensor range: 2" (50 mm)
- Cable input: 79" (2 m)
- Cable output: 6" (152 mm)
- Finish: Nickel/Black

**Motion Controller**
Turns on when human motion is detected
- Max wattage: 27W
- Sensor range: 0-5' (1500 mm)
- Viewing degree: 100°
- Time on: 30 secs if no motion
- Cable input: 79" (2 m)
- Cable output: 6" (152 mm)
- Finish: Nickel/Black

**Dimmer Controller**
Touch on/off and 0-100% dimming control
- Max wattage: 60W
- Cable input: 79" (2 m)
- Cable output: 6" (152 mm)
- Finish: Nickel/Black
  * Hold finger down for dimming

**Part #** | **Description**
--- | ---
L-LED-OVLT-D** | 60W 12VDC Oval Recess/Surface Mnt. Touch Dimmer
L-LED-OVLD-** | 60W 12VDC Oval Recess/Surface Mnt. Door Sensor
L-LED-OVLMS-** | 60W 12VDC Oval Recess/Surface Mnt. Motion Sensor
L-LED-OVLPS-** | 27W 12VDC Oval Recess/Surface Mnt. Proximity Sensor
L-DB1732-1 | 17/32" (13.5 mm) Drill Bit for Recess Mount

**Available in Black (BL) and Nickel (NI)**
Surface mount plate packaged with each controller.
12VDC Remote Control Dimmers

Remote Control LED Dimmers feature radio-frequency, remote-control dimming to adjust lights from anywhere in the room up to 30’ (9 m). The remote control provides on/off power and dims lights from 100%-1%.

**Universal Remote Dimmer**
- Controls up to 5A/60W of LED lighting
- Features a built-in memory that recalls the last setting when turned on
- Comes with two remote controls (one as a backup)
- No line of sight required
- Can control multiple dimmers in the same room with a single remote control for universal dimming

**Dedicated Remote Control Dimmer**
- Controls up to 5A/60W of LED lighting
- Features a built-in memory that recalls the last setting when turned on
- No line of sight required
- Comes with two remote controls (one extra, as a backup) that are synchronized to control the same dimmer
- Can use multiple independently controlled dimmers in the same room

---

**Part #**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-LED-DIMRMT-12VBA-1 LED Dedicated Remote Control Dimmer, 12VDC 96W</td>
</tr>
<tr>
<td>L-LED-DIMRMT-12VBA-U-1* LED Universal Remote Control Dimmer, 12VDC 96W</td>
</tr>
</tbody>
</table>

*Recommended not to exceed 3 per room

Placement of multiple dimmers in a room may be critical for proper function depending on set-up and obstacles.

Both models of the Remote Control LED Dimmer provide on/off power and dim lights from 100%-1%. The dedicated remote control independently controls one specific dimmer in a room. The Universal Remote Control [U] controls multiple dimmers in a room.

---

**Touch On/Off Switch**

On/off switch touch pad attaches to surface with adhesive backing. Power supply plugs into on/off switch.
12VDC Manual In-Line Rotary Dimmer

- 4A /48W capacity
- 100-0% dimming and on/off power
- 79” (2 m) input lead snaps into power supply mounting block with male AMP® connector
- 8” (203 mm) output connects to run of light with female AMP® connector

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-LED-DIMCON-BL-1</td>
<td>LED Black Inline Rotary Dimmer, 12VDC 48W</td>
</tr>
<tr>
<td>L-LED-DIMCON-WH-1</td>
<td>LED White Inline Rotary Dimmer, 12VDC 48W</td>
</tr>
</tbody>
</table>

Round Switch - 12V

- Available in White & Black

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-RDSW-1M-BL-1</td>
<td>Black Rocker Switch w/ 39” (1 m) Lead, 12VAC/DC</td>
</tr>
<tr>
<td>L-RDSW-1M-WH-1</td>
<td>White Rocker Switch w/ 39” (1 m) Lead, 12VAC/DC</td>
</tr>
<tr>
<td>L-RDSW-2M-BL-1</td>
<td>Black Rocker Switch w/ 79” (2 m) Lead, 12VAC/DC</td>
</tr>
<tr>
<td>L-RDSW-2M-WH-1</td>
<td>White Rocker Switch w/ 79” (2 m) Lead, 12VAC/DC</td>
</tr>
</tbody>
</table>

3/4” (19 mm) hole required.
**12VDC Wireless Tri-Mitter**

- Wireless switching or dimming of up to 3 independent 12 volt circuits (zones)
- Max. 36W load capacity per zone
- Controller uses 3V CR2032 battery
- 65’ (20 m) range of control from controller to receiver
- Touch for on/off control; hold down to cycle dimming 1-100%
- Low profile recessed installation
- A single receiver can be programmed to up to 9 controllers

### Part # | Description
--- | ---
L-HTRISET-1 | 12VDC Tri-Mitter Set (Wireless Controller + Receiver)
L-HTRICON-NI-1 | 12VDC Tri-Mitter Controller Nickel (Wireless Controller Only)

* Power Supplies and mounting block sold separately

Hole size 1¼” (44 mm) in diameter, ½” (13 mm) depth
**12VDC MultiSwitch Station**

- Connect up to 3 sensors of the same style to universally control run of lights
- Max. 36W load capacity
- Soft start on/off function

**Part #** | **Description**
--- | ---
L-HMSMCU-BL-1 | 12VDC MultiSwitch Station

---

**Touch Dimmer on/off 36W**

- Push button with dimming function
- Low profile recessed installation
- Touch for on/off control; hold down to cycle dimming 1-100%
- Finish: Nickel/Black
- Adjustable settings allow for simple on/off operation or dimming + on/off

**Hole size**

½ in (13 mm) in diameter, 1 in (25 mm) depth

---

**Part #** | **Description**
--- | ---
L-HMSTD-NI-1 | 12VDC MultiSwitch Touch Dimmer, Nickel
L-HMSTD-BL-1 | 12VDC MultiSwitch Touch Dimmer, Black
Motion Controller 36W

- Energy saving PIR motion sensor
- Viewing degree: 100°
- Time on: 10 seconds if no motion
- Sensor Range: 0-6.5’ (2 m)
- Finish: Nickel/Black

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-HMSMS-NI-1</td>
<td>12VDC MultiSwitch Motion Sensor, Nickel</td>
</tr>
<tr>
<td>L-HMSMS-BL-1</td>
<td>12VDC MultiSwitch Motion Sensor, Black</td>
</tr>
</tbody>
</table>

Door/Proximity Controller 36W

- Adjustable settings allow for switch to function as door sensor or proximity controller (hand swipe on/off)
- Hand Sensor Range: 0.2-2.0” (5-50 mm)
- Door Sensor Range: 0.2-4.7” [Reflection Foil included]
- Energy saving auto shut-off turns lights off after 3 minutes when in door sensor mode
- Finish: Nickel/Black

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-HMSHDS-NI-1</td>
<td>12VDC MultiSwitch Door/Proximity Sensor, Nickel</td>
</tr>
<tr>
<td>L-HMSHDS-BL-1</td>
<td>12VDC MultiSwitch Door/Proximity Sensor, Black</td>
</tr>
</tbody>
</table>
12VDC Dual USB Charging Station

- USB charging station that ties into the universal 12VDC Tresco system
- 79” starter cord attached (connects to any Tresco 12VDC power supply)
- Low profile recessed installation
- Max. load capacity = 1 port x 2.1 Amp or 2 ports x 1.05 Amp
- Two interchangeable face plates included (Black and Nickel)
- Draws 10W at max capacity while charging. Has auto shut-off

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-HUSB2-BLNI-1</td>
<td>12VDC Dual USB Charging Station</td>
</tr>
</tbody>
</table>

1-7/64” (28 mm) hole required.
### Wire Channel

**Features:**
- Plastic channel for wire management
- Available in 3 finishes (black, brown, white)
- Fits all Tresco wires
- Sold in 5’ (1.5 m) lengths
- Easily cut to size in the field
- Durable adhesive mounting

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-WM5-BL-1</td>
<td>5’ (1.5 m) Wire Management Channel Black</td>
</tr>
<tr>
<td>L-WM5-BR-1</td>
<td>5’ (1.5 m) Wire Management Channel Brown</td>
</tr>
<tr>
<td>L-WM5-WH-1</td>
<td>5’ (1.5 m) Wire Management Channel White</td>
</tr>
</tbody>
</table>

### 12V Class 2 Wire and DIY Connectors

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-16CL2-WH50-1</td>
<td>50’ (15 m) Roll 16 AWG 12V Class 2 Wire White</td>
</tr>
<tr>
<td>L-LED-WCON-WH-1</td>
<td>12V DIY Barrel Connectors White (1 bag of 10)</td>
</tr>
<tr>
<td>L-LED-WCON-BL-1</td>
<td>12V DIY Barrel Connectors Black (1 bag of 10)</td>
</tr>
</tbody>
</table>

See Sales Support section (page 462) for instructions on how to use Class 2 wire with Barrel Connectors.

Rated for low-voltage in-wall use
### Tools of the Trade Starter Kit

**Starter Kit Includes:**
- 2 mount blocks
- 50’ (15 m) roll of class 2 wire
- 10 AMP® connectors
- Phillips screwdriver
- Mini flathead screwdriver
- AMP extractor
- 10 barrel connectors
- 10 wire management clips
- 1 drill bit
- VHB tape
- 15” [381 mm] canvas bag

### Starter Kit

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-TOOLKIT-1</td>
<td>Tools of the Trade Tool Bag Starter Kit</td>
</tr>
</tbody>
</table>

### Replacement Items

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-16CL2-WH50-1</td>
<td>50’ [15 m] Roll 16 AWG 12V Class 2 Wire White</td>
</tr>
<tr>
<td>L-TRANS-MNT-BL-1</td>
<td>Extra 6-Snap Mounting Block</td>
</tr>
<tr>
<td>L-MALE-AMP-10-1</td>
<td>AMP® Connector for Light Fixture [1 bag of 10]</td>
</tr>
<tr>
<td>L-WCLP-WH-1</td>
<td>Wire Management Adhesive Clips White [1 bag of 10]</td>
</tr>
<tr>
<td>L-LED-WCON-WH-1</td>
<td>12V DIY Barrel Connectors White [1 bag of 10]</td>
</tr>
<tr>
<td>L-LED-WCON-BL-1</td>
<td>12V DIY Barrel Connectors Black [1 bag of 10]</td>
</tr>
<tr>
<td>L-DB1732-1</td>
<td>17/32” [13.4 mm] Drill Bit</td>
</tr>
<tr>
<td>L-P1SCRWDR-1</td>
<td>#1 Phillips Screwdriver</td>
</tr>
<tr>
<td>L-MFSCRWDR-1</td>
<td>Mini Flathead Screwdriver</td>
</tr>
<tr>
<td>L-PINEXT-1</td>
<td>AMP Connector Extraction Tool</td>
</tr>
<tr>
<td>L-VHBTPE-1134-1</td>
<td>7/16” [11 mm] x 111-1/2’ [34 m] VHB Adhesive Tape Roll</td>
</tr>
</tbody>
</table>
Install Accessories

All product dimensions and specifications are subject to change without prior notice.

AMP® Connector and Extractor

Part #         Description
L-PINEXT-1     AMP Connector Extraction Tool
L-MALE-AMP     AMP® Connector for Light Fixture

Pin Extractor safely removes AMP® Connectors.

VHB Tape

Part #         Description
L-VHBTP-1134-1 7/16” (11 mm) x 111-1/2” (34 m) VHB Adhesive Tape Roll
L-VHBTP-15FT-1 3/8” (10 mm) x 15’ (4.5 m) VHB Adhesive Tape Roll

Automotive grade VHB tape can be used to mount all fixtures or as a base layer for mounting Tape LED products.

Starter/Extension Cord

Features:

- Low-voltage wire
- Used to extend the starter leads for any Tresco 12VDC lights
- 8 lengths to choose from

Part #         Description
L-LED-LINKD-8-1 3” (8 cm) 12VDC Starter/Link/Extension Cord
L-LED-LINKD-15-1 6” (15 cm) 12VDC Starter/Link/Extension Cord
L-LED-LINKD-25-1 10” (25 cm) 12VDC Starter/Link/Extension Cord
L-LED-LINKD-60-1 24” (60 cm) 12VDC Starter/Link/Extension Cord
L-LED-LINKD-120-1 48” (120 cm) 12VDC Starter/Link/Extension Cord
L-LED-LINKD-180-1 72” (180 cm) 12VDC Starter/Link/Extension Cord
L-LED-LINKD-245-1 96” (245 cm) 12VDC Starter/Link/Extension Cord

1/2” (13 mm) hole required.