

equipment or wiring.

power. If both CTs are not installed in this manner, the reading will be wrong. NOTE: Do NOT install the CT over the neutral (N) grounded conductor.

- Install one CT over each incoming power conductor, by pressing on the handle to open the split core then clipping it over the power line.
- D.) The CTs should be installed on the secondary side of the main switch or main circuit breaker, however, if this is not possible, such as in the case of a combination breaker panel, then install on the primary side of the main breaker.
- E.) Ensure that the two sides of the split core CTs are mated tightly together over the incoming power line. NOTE: The CTs should be loose-fitting around the wires.
- F.) Connect the CTs and Power Cable to the MTU by plugging the plastic mating connectors together. NOTE: The connectors are polarized and can only be inserted in one way. Do not force.

### ED E Plug in Gateway to Outlet

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- outlet connected to any other electronic equipment with an external power supply (such as a laptop or printer.)
- B.) If setting up in a home office, we highly recommend that you purchase a filter to remove noise from your office electronics. You may purchase a filter online at the TED Store under "Accessories."
- C.) The green LED will flash about 5 times when power is first applied.

- 2.) The MTU may be attached using double-sided tape (if allowed in your jurisdiction), or with sheet metal or machine screws.
- B.) Arrange and tie-wrap all wiring in a neat and tidy manner.
- C.) Turn the power back on.
- D.) The MTU will blink approximately 10 times when power is first applied.
- E.) After initial blinking, it will blink when transmitting or receiving data.
- F.) Replace breaker panel cover only after installing Gateway and ensuring the entire TED system is operational.

#### IMPORTANT

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words, the data transmits over the existing wiring in your home. If, after you have installed your TED correctly and you find that there is no communication between the components, it is very likely a PLC-issue. To resolve this issue, please visit: www.theenergydetective.com/PLC

# Quick Start Guide 5000 Series

#### Display Set up. (Optional Display for "C" Models) A.) Plug Display AC/DC power supply into a 120V outlet. For ease of set up, temporarily locate it where you can view both your computer and Display simultaneously. B.) Plug power supply cable into the back of Stand. C.) Carefully insert Display into Charging Stand. D.) After 15 seconds, remove Display from Charging Stand and re-insert. This will engage the battery charging system. It will be fully charged in 24 hours. E.) Note the Display ID Code located on the back of the display and write it below: Display ID Code:

- F.) Once you enter Display information in the Footprints software (Step 8), relocate the Display to desired location.
  - 1.) Display should be kept close to Gateway for best reception.
  - 2.) There should be no metal, block, brick, or concrete walls between Gateway and Display. Generally, wood and sheetrock do not cause interference.
- G.) Under System Settings Wizard, click on "Display Settings" to change screen options.

## Footprints Software Setup

- A.) Go to the following link to download the TED 5000 Installation Application: www.theenergydetective.com/install-program
- B.) Plug the Ethernet Cable into the Gateway.
- C.) Plug other end of the Ethernet Cable into your Internet Router. If you don't have a router, it may be plugged directly into your computer. If you plug the Gateway into your computer, you may need to change the IP Address. We highly recommend that you plug the Gateway directly into your router.
- D.) Open an Internet browser. (Internet Explorer, Firefox, Google Chrome)
- E.) Type the following address in the browser address bar: http://TED5000
- F.) This will open the Footprints Software program. You can view live dashboard data, modify system setup, modify/set utility rates, and update Gateway, MTU, or Display firmware.
- G.) If you have problems connecting to the Gateway, contact your network service provider or IT professional.

	Syster	n Setup W	Azard							
Configure Product IDs			Network	Time &	System Pr	oduct	Operational	Display Foo	tprints Write To	
A.) From EDIT Menu at top of Footprints Screen:	wa	come!	Settings	Date	Layout Ident	fication	Settings	Settings Se	ttings Device	
1.) Choose System Settings Wizard.			Plea	ise enter the l	Product ID ar	nd Desc	riptions for	your devices.		
2.) Click on Product identification rap.			N	ITO Products	Destant ID					
a) For multiple MTL is select the "System Layout" tab first				(MTU 1: 10	1028B	) г		rescription		
and select the correct number of MTUs										
b.) You will then identify what each MTU is measuring. (i.e.	R	efer to	your MTI	Product ID	number on	STEP 2	of this qui	ide		
Load, Generation, Adjusted-Load, Stand-Alone)			your min	ST TOUGOLID	number on		or and ga			
4) Your Gateway ID will auto-fill.										
5.) Type in your Display ID(s) (for "C" models).			6	Sateway Prod	ucts			a continue		
B.) Click on "Write to Device" Tab.				Gateway: 2	Product ID		L	escription		
C.) Click Update button and settings will be written to the Gateway.					J.L.					
Do not exit until progress bar is complete.				isplay Produ	cts					
D.) Click Finish. The screen will automatically refresh.			-		Product ID		D	escription		
E.) Knowall readings should now be seen on the Footprints				Display 1: 1	2564					
E) Rates can be customized by following the directions in Step 10										
	F	Refer to	vour Dis	play Produc	t ID number	on STE	P 7 of this	quide.		
				<b>3</b> 1	_			5000 070		
<b>STEP 10</b> Utility Rate Wizard Setup	OF	די	JNF	L Exp	ort Data	NC	TE: TED	) 5000 STO	RES AND EXP	ORTS
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### Create Load Profile for a Specific Device in the Home NOTE: DEVICE SHOULD BE A LARGE APPLIANCE IN THE HOME

- A.) From Edit Menu at top of Footprints Screen:
  - 1.) Choose Load Profile Wizard.
  - 2.) You can track up for 5 devices. Select "Add" next to a blank device.
  - 3.) Name the device a unique name, such as "HVAC" or "Pool Pump".
  - 4.) If you have multiple MTUs, select the MTU that the device is measured under.
  - 5.) Most devices have only one Start/Stop stage, however, some devices, such as some HVAC systems, have multiple start-up stages. You may select up to three start/stop stages.
- Adjust the Percent Error to avoid false-positive readings. The default percentage is 10%. B.) For best results, turn off as many appliances as possible prior to setting up Load Profiles.

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- ilio lo complete, preco ti oompioto trio proceso.
- F.) You can now click on the Load Profile Tab from the main Dashboard to view Load data.
- G.) You can view each device independently. (See image to the right)



Need Additional Help with Installation or Troubleshooting?

- 1.) View additional support documents and online support forum. www.theenergydetective.com/support
- 2.) View Installation and Troubleshooting Videos. Installation: www.theenergydetective.com/video Troubleshooting: http://www.theenergydetective.com/troubleshooting

