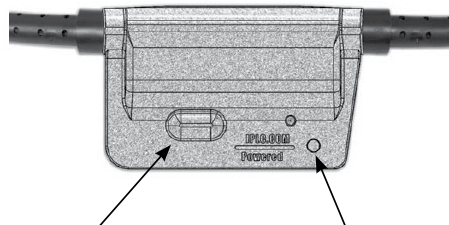


IPLC M4 CORD (M4-15-2S)



The IPLC M4 Cord is ready to use right out of the box! It is a smart power cord that is plugged in between the existing parking stall power outlet and the load. It has two factory programs that provide power to your vehicle's block heater for a percentage of time based on the outside temperature reducing the energy used.

- The control case should be above ground level hanging freely and away from hard surfaces, the receptacle portion should also be above the ground to avoid contact with wet areas. Plug the M4 into the power source, it is important to wait 30 seconds for the M4 control to complete the start up process. The Profile Light will flash a series of colors, when complete it will be a consistent flashing green.
- Plug your vehicle into the M4 Cord, the Profile Light will change to the solid color of the selected program (Green for Gas, Yellow for Diesel) confirming the connection is good. Anything other than this, there is no power going to your vehicle. To change the program selection, tap your finger on the Profile Selector button. See the table below for the light combinations and the load status.



Profile Light

Profile Selector

M4 Load Status Lights

Gas Profile	Diesel Profile	Load Attached	Load Status Description
Solid Green	Solid Yellow	YES	Load is accepted, all is O.K. Power provided as per the program for that color.
Flashing Green	Flashing Green	YES	No load is detected.
Solid Red	Solid Red	YES	Load is over the maximum 15 Amp limit. Unplug, reduce the load size and retry.
Rapid Flashing Red	Rapid Flashing Red	YES	Possible short circuit.



How The M4 Works:

- 1. Test Time:** Upon plug in there is a 2 1/4 minute test time, power is provided no matter what the outside temperature is.
- 2. Initial Power Delay:** Each program has an initial power delay, 6 hours for Gas and 3 hours for Diesel. The Profile Light will remain solid and no power will flow to the vehicle no matter what the temperature is. Options for removing the power delay for the plug in time are; 1) With the M4 plugged into both the power source and your vehicle, unplug from the power source and re-plug in. 2) With the M4 plugged into both the power source and your vehicle, change the program profile and then change it back to the original program. Note that with either of these options, the initial delay is removed for that plug in time only, it will not apply the next time you connect.
- 3. Cycle Time:** The unit checks the outside temperature every 4 1/2 minutes providing power for a percentage of this time. The length of time will increase as the temperature gets colder. If there is a power failure, once power is restored the cord will go straight into the cycle portion of the program.

Factory Programming:

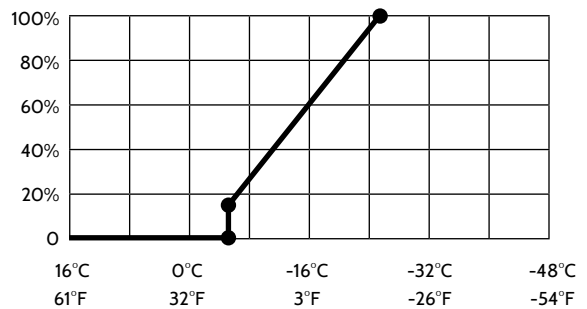
This cord has two factory programs, Green for Gas and Yellow for Diesel, details are shown in the tables below. The cord default when first removed from the box is Gas. When your vehicle is plugged in the Profile Light on the M4 will confirm the current program.

Factory Pre-Programmed Gas Schedule (GREEN)

PRIMARY PROFILE	
Temperature	Percent ON
>-5.0°C [23°F]	0.00 %
-5.0°C [23°F]	9.77 %
.<=-25.0°C [-13°F]	100 %

Load Limit: 1800 W (15 Amps)

Initial Power Delay: 6 hours

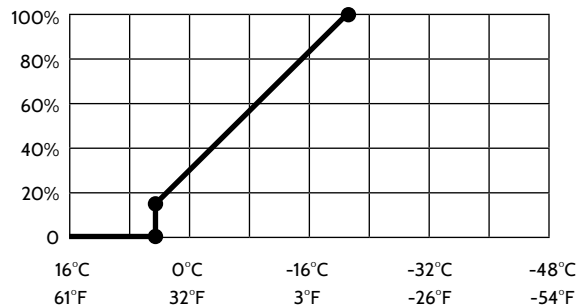


Factory Pre-Programmed Diesel Schedule (YELLOW)

PRIMARY PROFILE	
Temperature	Percent ON
>5.0°C [41°F]	0.00 %
5.0°C [41°F]	9.77 %
.<=-20.0°C [-13°F]	100 %

Load Limit: 1800 W (15 Amps)

Initial Power Delay: 3 hours



Note: The diesel schedule is the suggested option for vehicles with temperature sensor block heater plugs.

ELECTRICAL RATINGS:

125VAC 60 Hz 12.2Arms @ Tamb = 20°C
 125VAC 60 Hz 10Arms @ Tamb = 25°C
 125VAC 60 Hz 15Arms @ Tamb = -18°C
 125VAC 60 Hz 1/4 HP

WARRANTY

The M4 has a 1 year warranty on materials and workmanship. This covers normal use of the product only and does not cover abuse, accidental damage or vandalism.

IPLC TECHNOLOGY COVERED BY:

Patent # US 5521838, 7642670, 8355832, 9738165, 9634489, 9806524 CDN 2115710, 2598012, 2693569, 2809137, 2868587
 Others Pending



Optional Connection to Wi-Fi

If you would like to access real time data from your M4 Cord you have the option to connect via Wi-Fi to your smartphone and/or your personal Wi-Fi Network. A “Boost” button is also available when you connect to Wi-Fi, by selecting this button continual power is provided for a 1 hour period. The M4 Cord must be connected to a power source to communicate with your phone or Wi-Fi Network.

It is important to keep the Serial Number and Access Code provided below, it is required to connect your M4 Cord with your phone or your Wi-Fi network.

Connecting The M4 Cord To Your Phone

- Plug in the M4 to a power source and wait approximately 30 seconds for the cord to complete the start up process (complete when the profile light is a consistent flashing green). The Wi-Fi on the M4 will be visible for 15 minutes to allow you to connect.
 - Note the Serial Number shown on the label below.
 - Connect your Phone’s Wi-Fi to the M4’s serial number, enter the access code (uppercase only) provided or use the QR Code also shown on the label below.
-
- Enter 10.10.10.1 in your browser to link to the M4 or scan the QR code below with your phone.



Connecting The M4 To Your Wi-Fi Network

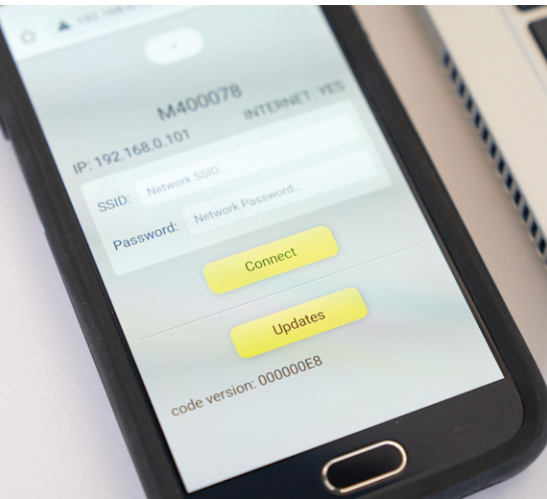
- Click the “>” settings link to open the settings page.
- Add your network SSID (the name of your Wi-Fi network).
- Add your password and click the “Connect” button to add the M4 to your local Wi-Fi network.
- Once connected the settings page will show the IP assigned to the M4 by your Wi-Fi network and it will show “yes” if you are connected to the Internet.
- WRITE DOWN this IP number. IP Number _____
- Reconnect your phone to your local Wi-Fi network.
- In the browser type in the IP number, you just wrote above to access the M4 on your network.
- Once this page is open you could BOOK MARK it so you don’t have to type in this IP again.
- If on the internet click the “Updates” button to get the most recent updates.

Software updates for the M4 are free of charge for the life of the product.



Screen Details On Your Phone

- Click “Gas”: Switches to Gas Profile, Green when selected, White when not.
- Click “Diesel”: Switches to Diesel Profile, Yellow when selected, White when not.
- Click “>”: Moves to the Wi-Fi Connect Panel.
- Click “Boost” Once: Gives 100% power for 1 Hour, then returns to the program profile.
- Click “Boost” Twice: Goes straight to program profile with no power delay for this plug in period.
- Click “Temperature”: Moves between Celsius / Fahrenheit. This shows the current temperature where the cord is located.
- Load Size: Indicates the size of the load attached.
- Power Savings: Indicates the total percent savings so far for the use of the M4.
- Load Indicator: Indicates load status.
- KWH Saved: Indicates the total Kilowatt Hours saved so far for the use of the M4.
- Voltage: Indicates the power source voltage currently being delivered to the M4.
- CO2 Saved: Indicates the KG of CO2 saved, not including vehicle starting efficiency.



Screen Details For Connecting To Your Wi-Fi Network

- Click “>”: Moves to Display Control Panel.
- Display: Shows your M4 Serial Number, your IP Number and the Internet connection status.
- SSID: Enter your local Wi-Fi ID for connecting.
- Password: Enter your local Wi-Fi password for connecting.
- Click Connect: To execute local Wi-Fi connection with the entered information.
- Click Update: If internet is “yes” it will check with the M4 servers for firmware updates, and it will also check if any updates are available.

NOTE: Firmware will only update if it can connect to the M4 server and you have selected the Update button. You can also connect the M4 to your personal computer through your web browser, but only if your computer is connected through the same router and the Wi-Fi is enabled and the M4 is plugged into power.



CAUTION

Not for water immersion, suitable for outdoor use only when clear of standing water. There are no user serviceable parts inside, DO NOT use if control case is broken or damaged as risk of electrical shock.

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Parking Power

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Vantera Inc.

90 Main St., P.O. Box 334, Elie, Manitoba, Canada R0H 0H0
Phone: 1-866-353-2785 Fax: 1-866-353-2119

www.iplc.com



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