

PRODIGY® P2

Advanced Intelligence



- **NEW** auto dim feature allows for better viewing, day or night
- Reverse battery protection for both vehicle and breakaway
- Designed to work with electric over hydraulic brake systems
- Numerous mounting options – including 360 degree vertical rotation
- Digital display depicts voltage delivery to trailer during braking
- No level adjustment necessary – it adjusts itself to varying terrain as you drive
- Great for backing into tough spots! Works proportionally in reverse - with the ability to disable when not needed
- Produces stops that are in proportion to vehicle’s deceleration rate
- “Boost” feature gives users the ability to apply more initial trailer braking power when towing heavier trailers
- Continual diagnostics check for proper connection, shorted magnet conditions and much more
- Integrated Plug & Play port for 2-plug adapters
- Pocket-mount allows user to remove and store the control when not in use
- Electric trailer brake control for up to 4 braking axles

PRODIGY® P2



Part Number	Description	Packaging
90885	Prodigy P2 Proportional Electronic Trailer Brake Control	Display Box

NOTE: Plug & Play feature allows quick and easy connection. It adapts to all Tekonsha 2-Plug vehicle specific brake control wiring harnesses. See application guide for vehicle specific applications.



90885

Mounting Bracket and Hardware Included

3Ft. Pigtail Harness Kit Included

BRAKE CONTROLS

PRIMUS® IQ

The smarter braking solution. Primus IQ is a totally proportional electric trailer brake control.



- This easy-to-set system allows the driver maximum flexibility when determining how the trailer should respond to a braking event. Snap-in dash mounting clip and removable electrical connector allow the unit to be quickly stored (or moved to another vehicle) when not in use.
 - Works proportionally in reverse
 - No level adjustment necessary, adjusts to varying terrain as you drive
 - Digital display shows voltage to trailer during braking
 - “The Original Boost” feature allows for customized braking
 - Integrated Plug & Play port for 2-plug adapters
 - Diagnostic features incorporated in LED display
 - Electric trailer brake control for up to 3 braking axles
 - Snap-in mounting clip allows user to remove and store the control when not in use

PRIMUS® IQ

Part Number	Description	Packaging
90160	Primus IQ Proportional Electronic Trailer Brake Control	Display Box

NOTE: Plug & Play feature allows quick and easy connection. It adapts to all Tekonsha 2-Plug vehicle specific brake control wiring harnesses. See application guide for vehicle specific applications.



90160

Mounting Bracket and Hardware Included

3Ft. Pigtail Harness Kit Included

VOYAGER®

The Voyager incorporates Tekonsha’s patented braking sensor and is the best value you’ll find for smooth and secure trailer braking.



- Broad control range makes setting quick and easy
- As braking power is applied, the LED changes color gradually from green (completed circuit) to red, to indicate relative braking power
- Advanced electronics minimize false braking for smoother ride
- Electric trailer brake control for up to 4 braking axles
- Plug & Play feature allows quick and easy connection

VOYAGER®

Part Number	Description	Packaging
9030	Voyager Proportional Electronic Trailer Brake Control	Display Box

NOTE: Plug & Play feature allows quick and easy connection. It adapts to all Tekonsha 2-Plug vehicle specific brake control wiring harnesses. See application guide for vehicle specific applications.



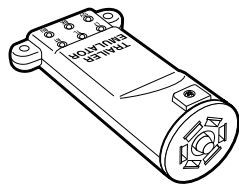
9030

Mounting Bracket and Hardware Included

BRAKE CONTROLS

TRAILER EMULATOR REFERENCE GUIDE

Trailer Emulator



- LT - Left turn signal, Red Light
- TL - Tail / running lights, Red Light
- RT - Right turn signal, Red Light
- 12V - 12 volt battery supply line, Red Light
- BK - Electric trailer brakes, Red Light
- BU - Backup lights, Red Light

User's Guide

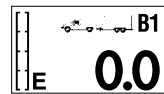
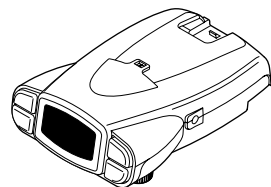
The Trailer Emulator requires the ground and 12 volt battery line to be properly connected in order to check the electric brake circuit.

- 12 volt light on the emulator will be lit as soon as the emulator is connected to the tow vehicle's plug. If this does not happen see Troubleshooting Chart.
- The RT, LT, TL and BU lights will light on the emulator as those functions are activated on the tow vehicle. If this does not happen see Troubleshooting Chart.
- The BK light on the emulator should be off until the brake control is activated. (May see a flicker but not on steady) **NOTE:** The trailer emulator is not an exact trailer load so the light displays on various brake controls will respond differently.

BRAKE CONTROLS WITH LCD DISPLAY

90195 - P3™

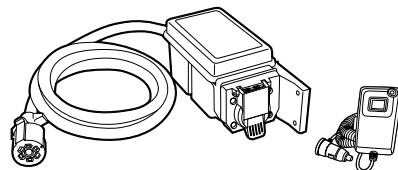
Brake Control's display should show:



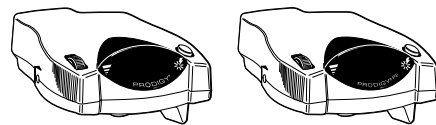
- With trailer emulator connected and no manual slide activation.
- Varying voltage displayed from 0-13 as manual is activated with the power knob full on.

BRAKE CONTROLS WITH DIGITAL DISPLAY

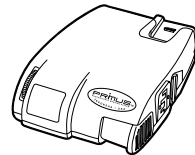
90250 - Prodigy RF™



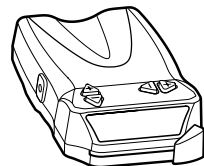
90185 - Prodigy® / 90885 - Prodigy® P2



90160 - Primus™ IQ



5535 - I-Command™



80550 - Pilot™

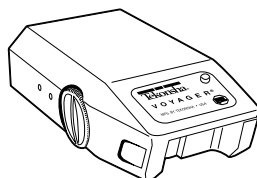


Brake Control's display should show:

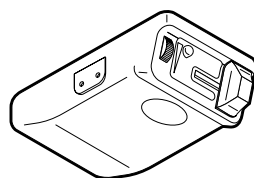
- .c - With trailer emulator connected and no manual slide activation ("c" indicates connection to the trailer).
- Varying voltage displayed from 0-13 as manual is activated with the power knob full on.

BRAKE CONTROLS WITH LED DISPLAY

9030 - Voyager®



90160 - POD™



Brake Control's display should show:

- GREEN - with trailer emulator connected with no manual slide activation.
- GREEN to varying colors of RED - trailer emulator connected and manual slide activated.

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

TRAILER EMULATOR REFERENCE GUIDE

Troubleshooting Chart

Condition	Probable Cause
Trailer Emulator connected to tow vehicle:	
- 12V LED is NOT lit on Trailer Emulator.	1) Bad ground or incorrect wiring in tow vehicle connector. 2) No 12 volt battery power supplied to connector.
- LT LED is NOT lit on Trailer Emulator NOTE: Applies for LT, RT, TL and BU LEDs.	1)Bad ground or incorrect wiring in tow vehicle connector. 2)Loose or poor connection in circuit under test.
- BK is NOT lit on Trailer Emulator when <u>manual slide / touch pad</u> is activated, but 12V LED is lit.	1)Bad ground or incorrect wiring in tow vehicle connector. 2)Poor ground on Brake Control. Brake Control goes into a limit mode. 3)Gain adjustment on Brake Control is set to minimum, adjust gain to maximum and retest using manual.
- BK is NOT lit on Trailer Emulator when <u>Brake Pedal</u> is depressed, but 12V LED is lit.	1)If using brake pedal, Tekonsha's inertia activated controls require vehicle movement to activate sensor. Apply the manual switch and see if BK LED lights. (SEE NOTE)

Note:

The following two methods are available to test the Automatic response of the Tekonsha brake control with the Trailer Emulator.

1. Vehicle in Motion Method

- Connect Trailer Emulator to vehicle.
- Properly adjust the Level of the brake control.
- Drive vehicle and apply brake pedal, the brake control's light should indicate a braking event.

2. Aggressive Level Method

- Connect Trailer Emulator to vehicle.
- Properly adjust the Level of the brake control.
- Adjust Level setting toward Aggressive.
- The brake control's light should indicate a braking event.
- When finished with test remember to adjust the brake control's level back to desired tow setting.

For Technical Assistance and Warranty Information call: 1-888-785-5832 or www.tekonsha.com



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