

LOW VOLTAGE METER KIT

INSTALLATION INSTRUCTIONS:

(Installation Time: 30 min.)

TOOLS REQUIRED: Phillips Screwdriver, 3/8"Wrench, 9/16" Wrench, Wire Cutters

The Low Voltage Pad Shut-off Meter will shut off the power to the pad motor when the battery discharge level nears recharging time. This allows the operator to use the remaining battery charge to transport the machine to the charging station.

Meter Operation: As the batteries discharge to a low level, one LED light on the meter will begin to blink, signalling the operator it's nearing time to recharge the batteries. When two LED lights on the meter begin to blink alternately, the power to the pad motor will automatically shut off. At this time, transport machine to charging station.

FOR SAFETY: Before installing kit, disconnect positive (+) battery cable from batteries.

- 1. Remove four phillips head screws from control housing panel to access electrical components.
- 2. Remove battery meter plug and install battery meter.





WIRING INSTRUCTIONS FOR DRIVE MODEL

- 1. Connect the red, black and green wires from kit to battery meter as shown on wiring diagram.
- 2. Connect opposite end of black and green wires to main contactor *(located at right side of panel)*.
- Disconnect red wires #6/14 from circuit breaker. Connect red wire from battery meter and reconnect wires #6/14 to piggy back, as shown.

KIT CONTENTS

P/N.	Description	Qty.
600832	Gauge, Battery	1
604641	Asm., Low Voltage Relay	1
603078	Asm., Wire, #18x9" Grn, .187F x #10R	1
603080	Asm., Wire, #18x8" Blk, .187F x #10R	1
603081	Asm., Wire, #18x12" Red, .187F x .25P.B.	1
130040	Wire Tie, Nylon	1

- From machine wire harness, locate blue accessory wires #87 & 27. With wire cutters, snip two wire ties to unbind these wires from harness. Be careful not to cut any wires.
- 5. Disconnect wire #87 from wire #27.
- 6. Connect wire #87 to yellow wire on relay and wire #27 to orange wire. Relay is supplied with kit *(black box with wires)*.
- Connect black and red wires from relay to T-taps on black and red wires installed in step 1 (black to black and red to red).
- 8. Connect white wire from relay to battery meters #3 terminal.
- 9. Secure loose wires with wire tie provided with kit.
- 10. Reinstall panel and reconnect battery cable.

WIRING INSTRUCTIONS FOR PUSH MODEL

- 1. Connect the red wire from kit to battery meter as shown on wiring diagram.
- 2. Disconnect red wires #6/14 from circuit breaker. Connect red wire from battery meter and reconnect wires #6/14 to piggy back, as shown.
- From machine wire harness, locate blue wires #36 & 66, With wire cutters, snip two wire ties to unbind these wires from harness. Be careful not to cut any wires.
- 4. Disconnect wire #36 from wire #66.
- 5. Connect wire #36 to yellow wire on relay and wire #66 to orange wire. Relay is supplied with kit *(black box with wires)*.
- Connect black and red wires from relay to T-taps on black wire #15 from harness, and red wire installed in step 1 (black to black and red to red).
- 7. Connect white wire from relay to battery meters #3 terminal.
- 8. Secure loose wires with wire tie provided with kit.
- 9. Reinstall panel and reconnect battery cable.

LOW VOLTAGE METER KIT INSTALLATION INSTRUCTIONS – Continued

Drive model wiring diagram



Push model wiring diagram

