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MODERN SAFETY TECHNIQUES

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**OPERATING MANUAL
MODEL 8013501
RECHARGEABLE BATTERY SYSTEM
(FOR USE ONLY WITH MODEL'S 5700, 5701 & 5800 MONITORS)**

Model 8013501 Rechargeable Battery System is a optional battery system to provide up to (250) hours of continuous operation of MST's CO or CO/02 monitoring systems.

WARNING: This system is not certified “intrinsically safe” and should not be used in any explosive atmospheres. The use of this system will void any intrinsic safety approvals on the monitor(s).

Model 8013501 Rechargeable Battery System consists of a 12 Volt, 4.5 Amp-Hour sealed lead acid-type battery enclosed in a protective plastic housing and a “charging-operating” jack located on the upper left side of the plastic housing. Included with the system is an Underwriter's Laboratory (UL) listed 12 Volt-DC, 200 mA charger (P/N 80135) utilized to charge the battery pack, along with a connecting cord (P/N 8038301) to allow the system to be connected to the monitor.

NOTE: THE PLUGS ON THE END OF THE CHARGER AND CONNECTING CORD ARE DIFFERENT. THE PLUG WITH THE SMALLER DIAMETER HOLE (ON THE CONNECTING CORD AND THE CHARGER) WILL ONLY FIT THE JACK ON THE BATTERY PACK. THE PLUG ON THE OPPOSITE END OF THE CONNECTING CORD (LARGER DIAMETER HOLE) FITS THE JACK LOCATED ON THE RIGHT SIDE OF THE MONITOR(S). DO NOT FORCE THE PLUG WITH THE SMALLER DIAMETER HOLE INTO THE MONITOR. THE 80135 12 VOLT CHARGER IS ONLY DESIGNED TO CHARGE THE BATTERY PACK, NOT OPERATE THE MONITOR(S). IF YOU WISH TO OPERATE THE MONITOR(S) FROM 120 VAC POWER, MODEL 80247 CONTINUOUS OPERATING ADAPTER MUST BE USED.

NOTE: MST® RESERVES THE RIGHT TO CHANGE OR MODIFY SPECIFICATIONS AND/OR PRODUCTS.

GENERAL OPERATING & MAINTENANCE INSTRUCTIONS

WARNING: The rechargeable battery pack contains acid and lead. There are no serviceable parts inside the battery pack or charger. If service is required, the entire unit must be returned to the factory for service. Upon disposal, observe all local, state and federal regulations regarding the disposal of lead acid-type batteries.

To utilize the Model 8013501 Rechargeable Battery System, the 8013601 Battery Pack must be charged for a minimum of (24) hours prior to use, utilizing the 80135 Charger. The 80135 Charger is designed to fully charge the 8013601 Battery Pack in (24) hours, however it can be left on charge for up to one (1) month without damaging the battery pack or the charger.

WARNING: Always charge lead acid-type batteries in well ventilated areas, away from the open flames, heat sources, or explosive materials. Serious injury, death or property damage could result from failure to observe any warnings or cautions noted in this manual.

After charging the 8013601 Battery Pack, unplug the 80135 Charger from the 120 VAC power receptacle and the 8013601 Battery Pack.

Locate the plug with the large diameter hole on the 8038301 Adapter Cord and connect to the monitor's power jack. Then connect the plug with the small diameter hole on the 8038301 Adapter Cord to the 8013601 Battery Pack. The monitor can now be operated according to the monitor's operating manual. When the 8013601 Battery Pack requires re-charging, the "Low Battery" indicator will function (see specific monitor manual for the description of how the monitor's low-battery indicator operates).

NOTE: IF MONITOR HAS 9V TRANSISTOR-TYPE BATTERIES INSTALLED, LOW BATTERY INDICATOR WILL NOT OPERATE UNTIL THESE BATTERIES ARE DEPLETED. IT IS BEST TO OPEN THE 9V BATTERY DRAWER(S) SLIGHTLY TO DISCONNECT THE 9V BATTERY(S) FROM SYSTEM. WHEN LOW BATTERY INDICATOR INDICATES A LOW BATTERY CONDITION, THE 9VOLT BATTERY(S) CAN BE RE-CONNECTED TO ALLOW AMPLE TIME TO COMPLETE YOUR WORK WHILE RE-CHARGING THE 8013601 BATTERY PACK.

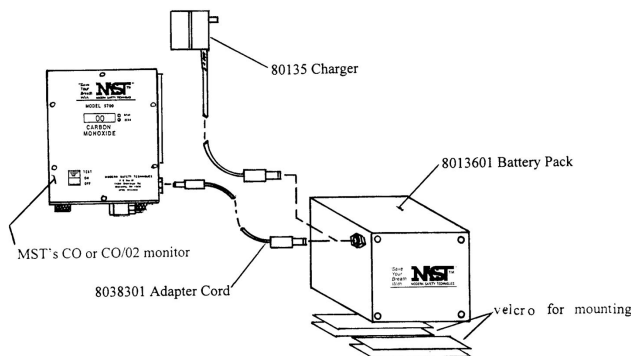
SPECIFICATIONS

80135 CHARGER:

INPUT POWER SUPPLY: 110-120 VAC/60 Hz 5W
 OUTPUT POWER: 12 VDC 200 mA

8013601 BATTERY PACK:

POWER OUTPUT: 12 VDC 4.5 AH
 TYPE: SEALED LEAD ACID
 SIZE 4.75"W x 4.75"H x 3.7"D
 (121mm x 121mm x 94mm)
 WEIGHT 4.5 LBS. (2.1 Kg)



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