

INSTRUCTION MANUAL

AUTO CHARGE T
AUTOMATIC BATTERY CHARGER
TRANSIENT SUPPRESSED

MODEL # 091 -80-XX

NOTE :

This charger is designed for
electric utility, circuit breaker
operating applications and anywhere
in a high electromagnetic field environment

INPUT : 115 volt, 50/60 Hz, 2amps

3 YEAR WARRANTY



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INTRODUCTION

The Auto Charge T, Model 091-80-xx battery charger is a compact completely automatic charger designed for installation in systems which require a transient suppressed charger. Ideal for electric utility applications to maintain the batteries used in high voltage circuit breaker trip circuits or wherever the charger may be exposed to high electromagnetic fields. Red, yellow and green indicators are provided to indicate whether the battery is fully charged, charging normally or receiving the maximum current.

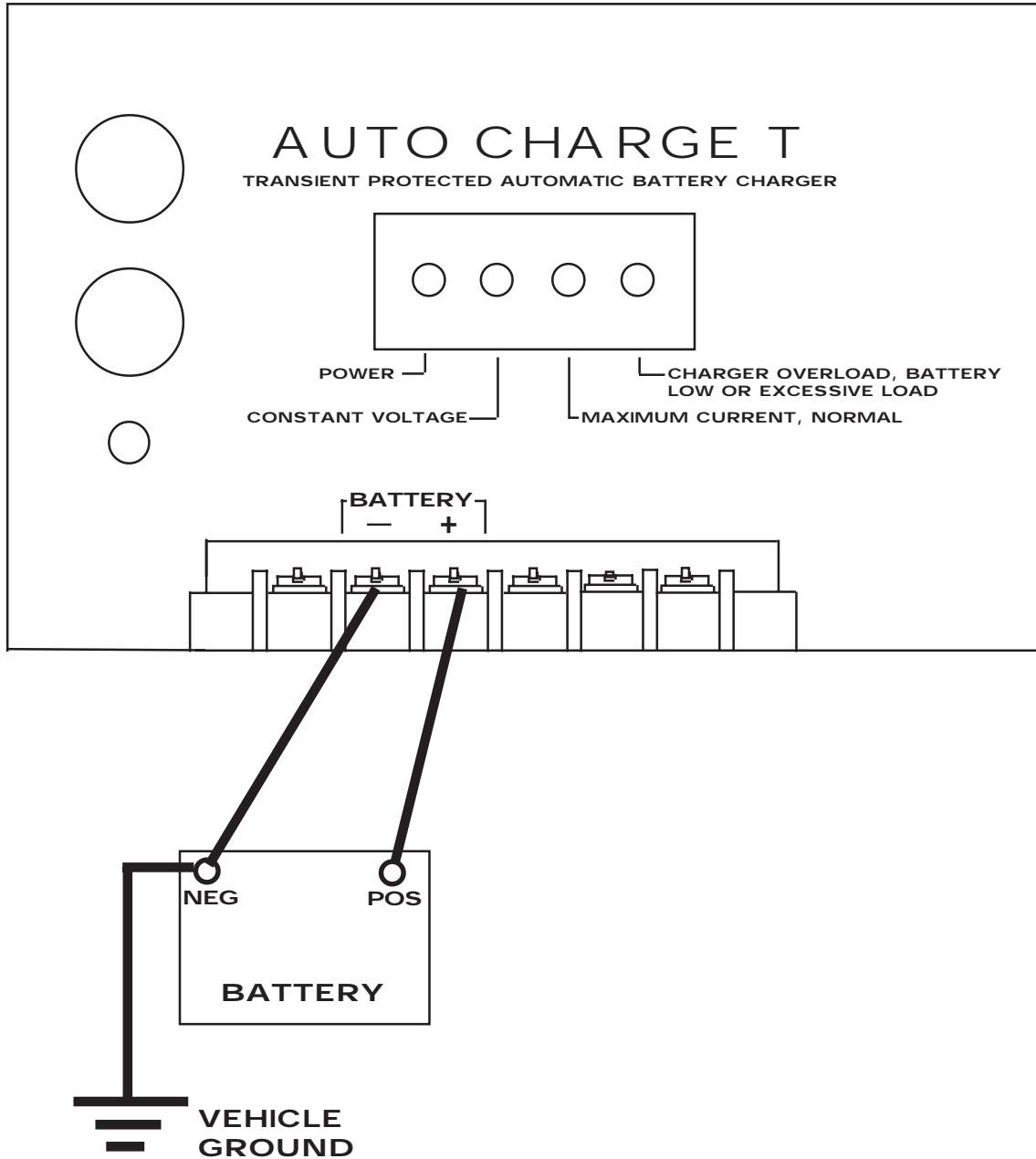
Construction of the Auto Charge T is extremely rugged to withstand shock and vibration. In addition the line power input lines and the charger output terminals are provided with filters and MOV transient suppressors. These suppression circuits permit the charger to meet ANSI/IEEE C37.90.1-1989.

INSTALLATION

The Auto Charge T Automatic Battery Charger should be installed in an area with adequate ventilation. A power cord is supplied for connection to 115 volts 60 Hz.

1. Mount the charger using the four holes provided for this.
2. Connect the wiring from the battery to the Output Terminal Strip. Spade lugs that have been securely crimped, or soldered, should be used.
3. Double check all wiring before proceeding.
4. Wire the A.C. power line cord to 115 volts.
5. Pilot light will light to show that the charger has power.

INSTALLATION WIRING DIAGRAM



WIRE SIZE CHART

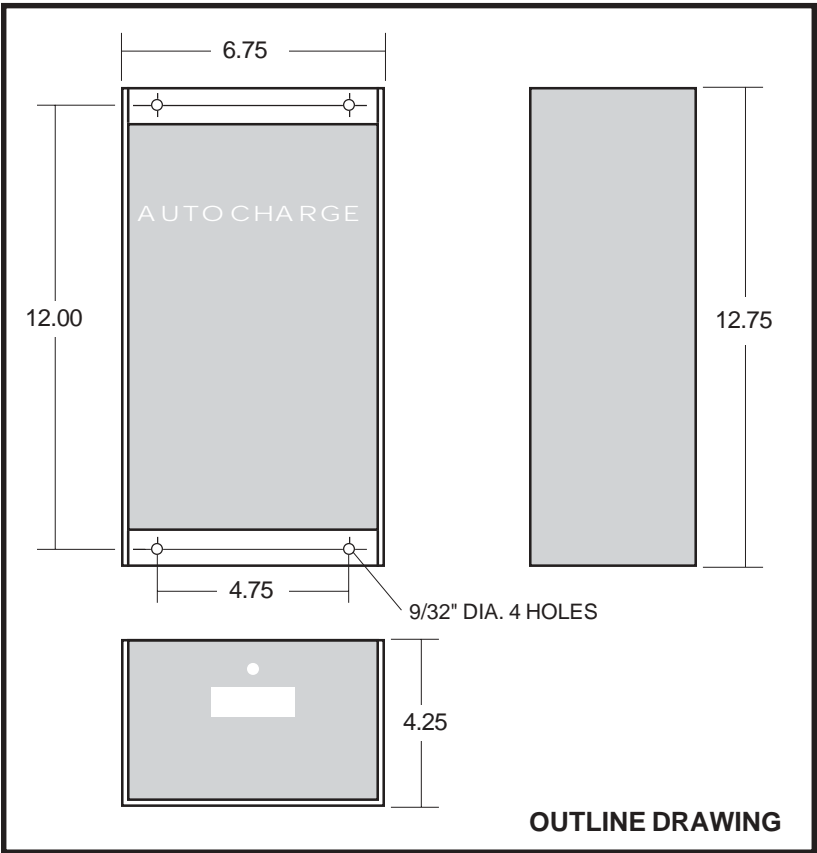
CONNECTION	ITEM	DEFINITION	WIRE SIZE
BAT-	BATTERY NEGATIVE	NEGATIVE CHARGING LEAD FOR BATTERIES	12 AWG
BAT+	BATTERY POSITIVE	POSITIVE CHARGING LEAD FOR BATTERY # 1	12 AWG

IMPORTANT: Wire size is for a maximum length of 20 feet. If wiring is to be longer, larger wiring is required. Additional information is available on request.

SPECIFICATION & OUTLINE

SPECIFICATIONS:
Input: 115V 50/60Hz, 2 amps
Input Fuse: 5 amps
Output: see chart
Output Current: see chart
Weight: 12 lbs

SPECIFICATION CHART		
MODEL #	AMPS	VOLTAGE
091-80-6	12	6
091-80-12	12	12
091-80-24	6	24
091-80-32	5	32
091-80-36	4	36
091-80-48	3	48
091-80-72	2	72
091-80-96	1.5	96
091-80-120	1.2	120



OUTLINE DRAWING

INSTALLATION RECORD & WARRANTY

Date Installed _____

Installed By _____

Vehicle Identification _____

Vehicle Owner _____

WARRANTY

All product of Kussmaul Electronics Company Inc. are warranted to be free of defects of material or workmanship. Liability is limited to repairing or replacing at our factory, without charge, any material or defects which become apparent in normal use within 3 years from the date the equipment was shipped.

Kussmaul Electronics Company, Inc. shall have no liability for damages of any kind to associated equipment arising from the installation and /or use of the Kussmaul Electronics Company, Inc. products. The purchaser, by the acceptance of the equipment, assumes all liability for any damages which may result from its installation, use or misuse, by the purchaser, his or its employees or others.