

INSTRUCTION MANUAL

POWER SAVE TIMER

A TIMER TO LIMIT THE OPERATING TIME
OF AN A.C. LOAD



MODEL # 091-191-115

INPUT: 115 VOLTS, A.C.
OUTPUT: 115 VOLTS AC, 20 AMPS AC

3 YEAR WARRANTY



KUSSMAUL ELECTRONICS CO., INC.

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INTRODUCTION

The Power Save Timer may be installed in vehicles with a Block Heater. These heaters normally consume approximately 1200 watts. In many installations this amount of power is not required continuously in order to maintain the engine temperature. It thus may be desirable to periodically turn the heater “OFF” to conserve power. The Model 091-191-115 Power Save Timer performs that function. The heater is powered for 1 hour and then turned “OFF” for 1 hour. The process repeats for as long as power is applied to the heater circuit. The 1200 watt heater thus consumes an average of only 600 watts, considerably saving in the operating cost of the Block Heater.

An optional bypass switch may be installed to bypass the timer for those instances in which full power is required.

INSTALLATION

1. Mount the unit using the four holes provided (see Figure 2)
2. Wire the unit in accordance with the wiring diagram Figure 1.
3. Note that a fuse must be installed in the 115 volt power line to provide protection for heater shorts.
4. An optional switch shown may be installed to bypass the POWER SAVE TIMER to permit operation of the load at full power if this is required. Note that this switch must have a voltage and current rating to carry the load current.
5. Check all wiring before applying power.
6. Test operation by applying 115 volts AC and noting that the heater is energized for one hour and then cycles 1 hour OFF and 1 hour ON.

WIRING DIAGRAM

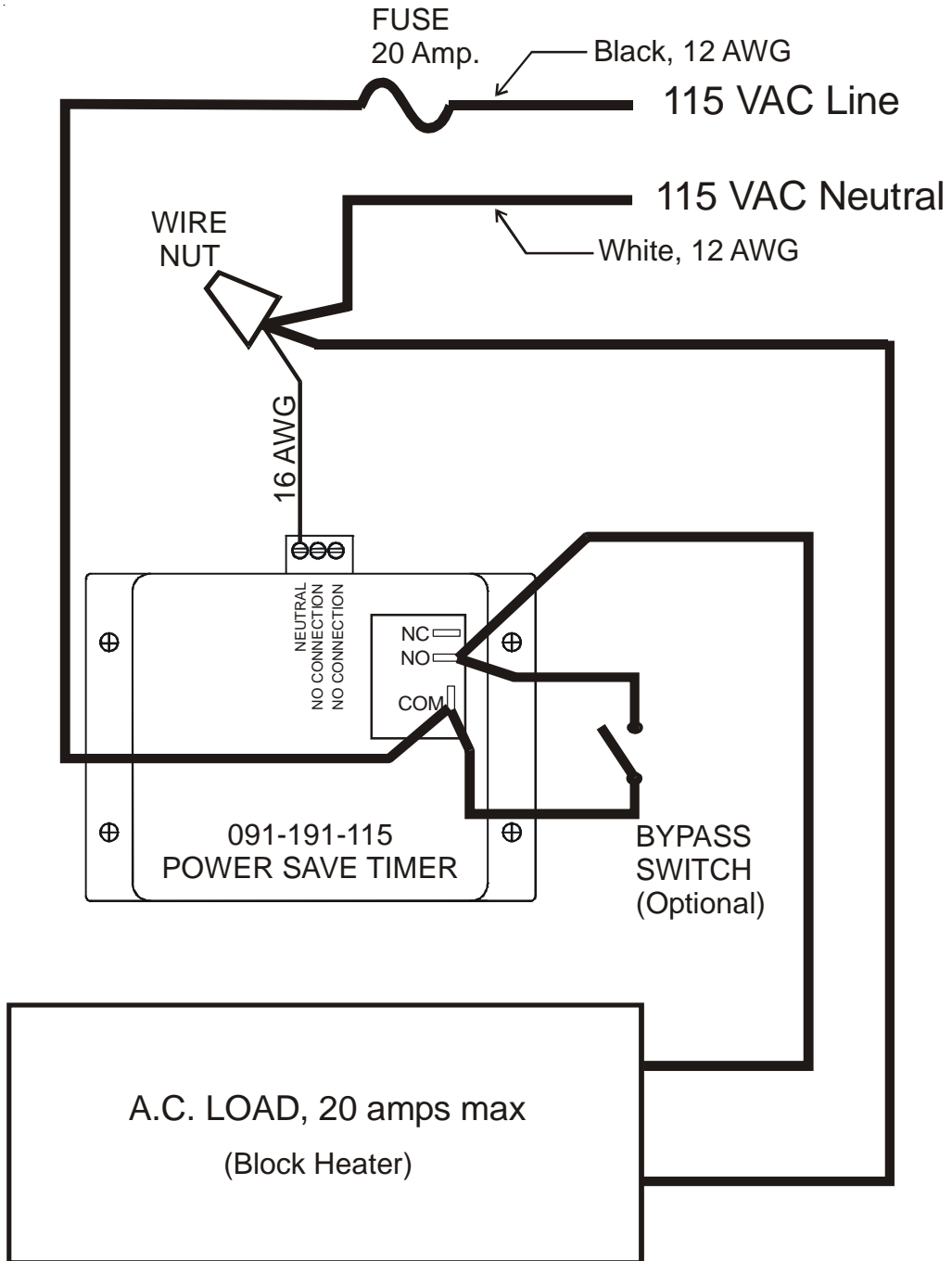


Figure 1

SPECIFICATIONS & OUTLINE

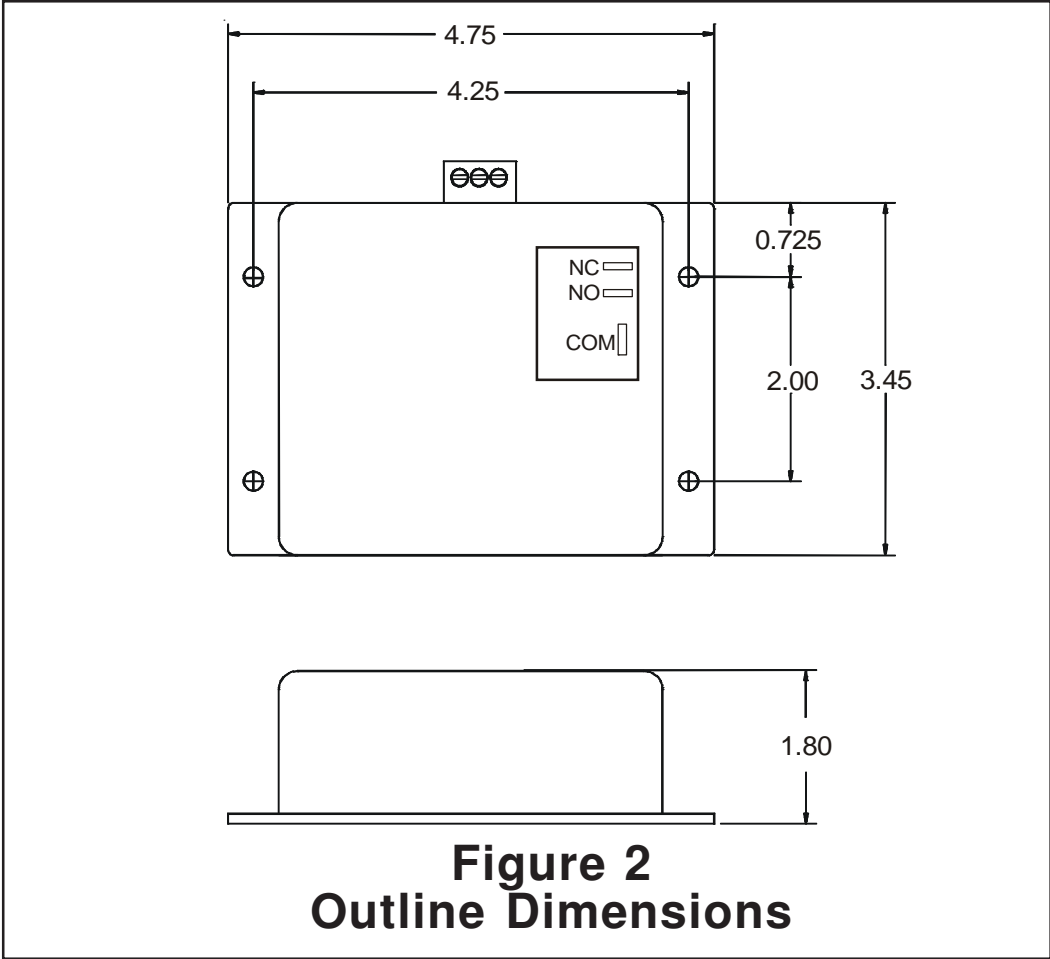
Input Power: 115 VAC

Input Current Draw: 20 ma. with heater ON, 5 ma. with heater OFF.

Relay Contact Rating: 30 amps @ 115 VAC

Weight: 1 lb

Warranty: 3 Years



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.