

## DESCRIPTION

## PRODUCT COVERED:

Innergy Wiring System and SMR3 Series Receptacles.

Refer to Ills. 1 to 3 and 8 through 116 for individual part numbers. The part numbers may have prefix and/or suffix designations denoting variations not affecting properties or descriptions in this report. Refer to Ill. 95 for the Innergy System part number to Illustration Cross-Reference.

## ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

## General Character and Use -

The products covered by this report are plugs and receptacles intended for use within the enclosure of an electrical appliance. They are to be considered suitable for use in electrical equipment submitted to Underwriters Laboratories Inc. where the following tabulated conditions have been investigated and found acceptable. These units are intended for factory-assembly.

The line consists of a power junction box assembly which carries the three phases of ac, a neutral conductor, a ground conductor and an isolated ground conductor. Into the junction box assembly can be plugged a duplex receptacle which, depending upon internal configuration, can draw power from either Line 1, Line 2 or Line 3. The duplex receptacles are available with back covers of three different types to accommodate wall thickness of 2 in, 2-1/4 in and 2-1/2 in.

## Conditions of Acceptability -

1) The max temperature on the polycarbonate material, General Electric, Lexan 920, 940 and 500 should not exceed 125°C.

## Material Codes:

Lexan 920:	702923	Lexan 920A:	702819
Lexan 940:	17030		
Lexan 500:	26838		

2) The duplex receptacle is rated 15 A, 125 V.

3) The interconnecting terminals and contacts are rated 20 A, 125/250 V max. These interconnecting terminals are not suitable for current interruption.

4) The connectors are suitable for assembly on 12 AWG stranded copper wire. Innergy Wiring System neutral is suitable for assembly to 10 AWG stranded copper wire.

5) The current carried shall be judged under the requirements applicable to the electrical equipment in which these devices are used with respect to operating temperatures.

6) The placement of these devices within the appliance enclosure shall be such that spacings between live parts and the appliance are suitable for the particular application.

7) Innergy Wiring System may utilize an 8, 6, or 5 wire system. These different systems make use of a color code to insure correct system mating. The mating interfaces, (the junction box end caps, the power connects, and the line connectors) are black for the 8 wire system, grey for the 6 wire system and off-white designating the 5 wire system.