Wiring Instructions for NRL 80 Series

CAUTION: DEVICE TO BE INSTALLED BY QUALIFIED PERSON CONDUCTORS MUST BE DE-ENERGIZED BEFORE WIRING

WIRING INSTRUCTIONS
Safety grip & auto grip dead front plugs & connectors
Cord Range: Hospital grade: 300-400” (6.7-10.16mm) Dia with Black Insert
.401-.656” (10.18-16.66mm) Dia without Black Insert
Standard grade: .250-400” (6.35-10.16mm) Dia with Black Insert
.401-.656” (10.18-16.66mm) Dia without Black Insert

Select proper wire size & type for load & application. Use only applicable round cord & cables per electrical codes. Device to be used with 16-3 to 12-3 cord & the following cord types:
G,S,SE,SEO,SJ,SJE,SEOJ,SJO,SJOO,S,J,SJTO,SO,SOO,SRD,SRDE,SRDE,SRDT,ST,STO,STOO,W

1) Wire preparation:
   a. Select correct end of cord to ensure easy insertion of conductors.
      (Conductor sequence is important.)
   b. Strip cord jacket & conductors as shown in FIG. 1. Twist strands. (Do not tin conductors.)
2) Disassembly: Separate body & shell. (Note the plug connection is keyed to the shell.)
3) Wiring method:
   a. Slip outer shell onto the cord. Adjustment of cord clamps may be necessary depending on cord size.
   b. Insert all conductors into identified terminal pockets.
      1. Green wire to green terminal pocket.
      2. White wire to white terminal pocket on 125V & 277V units.
      3. Black wire to brass (gold) terminal pocket.
   c. Tighten terminal screws to 14 lb.-in. (1.58N-m).
4) Assembly:
   a. Slip shell on front section by aligning key on body with key in shell.
   b. Evenly tighten assembly screws:
      Safety grip devices: 14 lb.-in. (1.58N-m).
      Auto grip devices: Hospital Grade: 14 lb.-in. (1.58N-m)
      Industrial Grade: 10-12 lb.-in. (1.13-1.356N-m)
   c. Evenly tighten cord grip screws to 14 lb.-in. (1.58N-m). (Not required on auto grip devices.)

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