

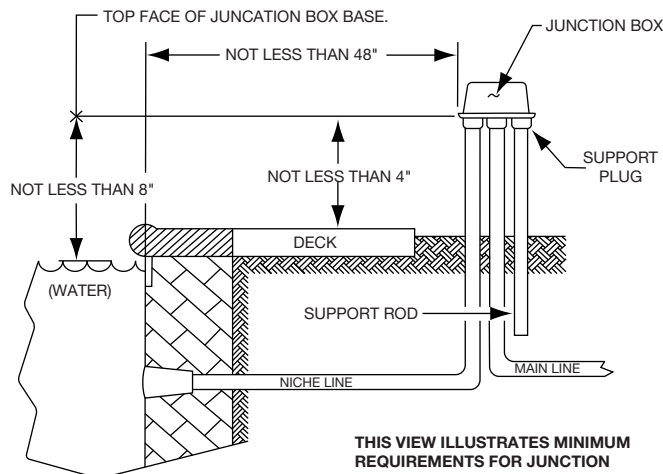
## INSTALLATION INSTRUCTIONS FOR SPJ-3 JUNCTION BOX

### NOTE TO INSTALLER:

- 1.) ALL INSTALLATIONS SHALL CONFORM WITH ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL CODES.
- 2.) THIS JUNCTION BOX IS NON-METALLIC WITH SLIP SOCKETS FOR SOLVENT WELDING. IT WAS DESIGNED AND APPROVED FOR SINGLE FIXTURE INSTALLATION AND COMPLIES WITH SAFETY STANDARD UL 1241.
- 3.) HEAVY WALL CONDUIT IS REQUIRED FOR ABOVE GROUND INSTALLATION. THIS BOX IS DESIGNED WITH THREE CONDUIT HUBS, TWO 3/4" AND ONE 1" FOR FIELD FLEXIBILITY WITH REGARD TO CONDUIT SIZING.
- 4.) THIS BOX IS SUITABLE FOR LINE AND LOW VOLTAGE (No. 12 AWG MAX. FOR LIGHT CORD) . USE EITHER AWG No. 16/3 CONDUCTOR TYPE SJTW OR AWG No. 12/3 CONDUCTOR TYPE SJTW WATER RESISTANT FLEXIBLE CORD.
- 5.) THIS JUNCTION BOX MUST BE RIGIDLY SUPPORTED AND HAS BEEN DESIGNED TO USE A 3/4" DIAMETER PVC ROD FOR THAT PURPOSE, ROD MAY BE OBTAINED THROUGH THOMAS & BETTS CORPORATION. (SEE FIGURE 1)

### INSTALLATION:

- A.) RUN CONDUIT TO DESIRED LOCATION FOR JUNCTION BOX HOOK-UP. BOX TO BE LOCATED A MINIMUM DISTANCE OF 48" MEASURED HORIZONTALLY FROM THE INSIDE WALL OF THE POOL AND NOT LESS THAN 8" ABOVE THE MAXIMUM POOL WATER LEVEL MEASURED TO THE TOP FACE OF THE JUNCTION BOX BASE. (SEE FIGURE 1)
- B.) SOLVENT WELD JUNCTION BOX BASE TO HEAVY WALL CONDUIT.
- C.) PULL LIGHT CORDS FROM NICHES AND WIRES FROM PANEL TO THE BOX AND MAKE CONNECTIONS AS REQUIRED. THIS BOX CONTAINS FOUR GROUNDING TERMINALS. PLUS A #8 SPLIT BOLT FOR ADDITIONAL CONNECTIONS.
- D.) ALL CONDUIT HUB OPENINGS HAVE BEEN PROVIDED WITH A STRAIN-RELIEF NESTING BLOCK. PLACE CORD INTO STRAIN-RELIEF BLOCK. PLACE STRAIN-RELIEF CLAMP OVER CORD, ALIGNING MOUNTING HOLES. INSERT SELF-TAPPING SCREWS AND TIGHTEN EVENLY, PUTTING EQUAL PRESSURE ON EACH SCREW. TIGHTEN UNTIL CLAMP BOTTOMS ON NESTING BLOCK. ALL CLAMPS ARE PRE-SET TO GIVE PROPER SQUEEZE AND HOLD CORD IN PLACE. TWO STRAIN-RELIEF CLAMPS ARE PROVIDED, ONE MARKED (12) TO BE USED WITH TYPE SJTW No. 12/3 FLEXIBLE CORD AND ONE MARKED (16) TO BE USED WITH TYPE SJTW No. 16/3 FLEXIBLE CORD. (SEE FIGURE 2)
- E.) SOLVENT WELD ALL CONDUIT OPENINGS NOT BEING USED WITH PLUGS PROVIDED.
- F.) THIS BOX HAS BEEN DESIGNED TO USE A 3/4" DIAMETER PVC ROD FOR SUPPORT. THE INVERTED PLUG PROVIDED WITH THIS BOX SERVES A DUAL PURPOSE: (1) TO SEAL A CONDUIT HUB OPENING AND (2) IS TO PROVIDE A HUB LOCATION FOR A SUPPORT ROD. THE ROD MUST BE SOLVENT WELDED TO THE PLUG TO PROVIDE THE SUPPORT FOR THE BOX. **NOTE:** THE SUPPORT ROD IS NOT INCLUDED. (SEE FIGURE 1)
- G.) APPLY O-RING TO COVER. MOUNT COVER ON JUNCTION BOX BASE. ALIGNING MOUNTING HOLES, INSERT SELF-TAPPING SCREWS AND TIGHTEN UNTIL SECURE.



(FIGURE 1)

