

# New Electrobits Dry & Damp Location Neon Electrode Enclosure Systems Installation Instructions

## IB. Using End Cap



Short Sleeve and GTOCA260



End Cap and GTOCA260

### GENERAL WARNINGS AND INSTRUCTIONS

For complete set of instructions concerning the different applications of GTOCA260, please refer to detailed instructions of Dry & Damp Electrode Covers

Electrobits GTO Cable Sleeving Adaptor model series number GTOCA260 rated 15kv midpoint grounded is UL Recognized and Classified to be used only with the following UL Classified Neon electrode enclosures and Gto cable with integral sleeving enclosure system as per UL 879B:

- \*1. Electrobits GTO-10 integral sleeve E137842
  - 2. Page electrical GTO-15 integral sleeve E135239
  - 3. Westrim Hi-Flex GTO-15 integral sleeve E237581
  - 4. Neon Power Pro GTO assembly E192648
- Effective September 5th 2008, only the following UL Classified integral sleeve systems as per UL 879 8th edition, October 22nd 2007:
- 5. Transco GTO-15 integral sleeve E226224
  - 6. ISS GTO TECH-2 GTO-15 integral sleeve E257545
  - 7. Silitherm GTO-15 integral sleeve E193971

Along with Electrobits Electrode Enclosure Wetbits model series number: WBSSW13mm, WBSSW15mm, WBECW13mm, WBECW15mm  
or Electrobits Enclosure Dry & Damps model series number: SS10mm30mA, SS12mm60mA, SS13mm60mA, SS15mm60mA, EC10mm30mA, EC12mm60mA, EC13mm60mA, EC15mm60mA  
or Electrobits thruwall enclosure Passthru model series number: PT1 to PT24  
or Electrobits Liquid Tight connection systems model series number: LQSR12  
**Make sure to follow appropriate instructions.**

### I For All Gto Cable and Integral Sleeve Applications

- 1- Use GTOCA260 according to your GTO cable outside diameter :
  - 1.1 For cables O.D. ranging from 0.260" to 0.275" (GTO15 or Integral sleeve GTO), use GTOCA260 as is.
  - 1.2 For cables O.D. ranging from 0.300" to 0.315" (Integral sleeve GTO15), you must cut the GTOCA along the parting line, as per figures below.



### IA. Using Short Sleeve

- Step 1** 1- Slide appropriated GTOCA at least 5/16" onto GTO cable, flanged side first, as shown on picture.
- Step 2** 2- Slide Short Sleeve onto cable.
- Step 3** 3- Make connection between cable and electrode.
- Step 4** 4- Slide back the Short Sleeve over the electrode connection and the neon electrode until it reaches the ceramic collar.
- Step 5** 5- Insert GTOCA back into the Short Sleeve. Make sure the collar of GTOCA reaches the end of the Short Sleeve.

- Step 1** 1- Slide appropriated GTOCA at least 21/2" onto GTO cable, flanged side first, as shown on picture.
- Step 2** 2- Make connection between cable and electrode and place cable and GTOCA along the electrode.
- Step 3** 3- Slide back on the End Cap over the electrode splice connection, while maintaining the 3760 sleeving against the glass of the electrode until it reaches the ceramic collar or end of the metal shell. Always make sure that the sleeving is inserted and covers all of the GTO cable up to the splice connection and into the interior of the End Cap when sliding it onto the electrode.
- Step 4** 4- Insert GTOCA back into the End Cap. Make sure the collar of GTOCA reaches the end of the End Cap. Make sure to align the flat surface of the GTOCA against the glass portion of the neon tube.
- Step 5** 5- Insert GTOCA back into the End Cap. Make sure the collar of GTOCA reaches the end of the End Cap. Make sure to align the flat surface of the GTOCA against the glass portion of the neon tube.
- Step 6** 6- When installed in a damp location the open end must be mounted in a horizontal position with the open end at the same height above ground or lower than the closed end of the electrode enclosure.

### II For All Applications Using Sleeving 3760 over GTO 15 cable maximum

#### IIA. Using Short Sleeve

- 1- Slide Sleeving 3760 over cable.
- 2- Slide Short Sleeve over GTO cable (strip one inch) and Sleeving 3760 far enough to make splice.
- 3- Make connection a splice connection between the GTO cable and the electrode.
- 4- Slide back the Short Sleeve over the electrode connection and the neon electrode until it reaches the ceramic collar or end of metal shell. Make sure the insulated cable fits properly into the molded cavity.
- Step 4** Make sure to slide the Short Sleeve back up to the ceramic collar.

#### IIB. Using End Cap

- 1- Slide Sleeving 3760 over cable.
- 2- Make connection between GTO cable and electrode.
- 3- Place Sleeving and cable along the electrode.
- 4- Slide back on the End Cap over the electrode splice connection, while maintaining the 3760 sleeving against the glass of the electrode until it reaches the ceramic collar or end of the metal shell. Always make sure that the sleeving is inserted and covers all of the GTO cable up to the splice connection and into the interior of the End Cap when sliding it onto the electrode.
- 5- When installed in a damp location the open end must be mounted in a horizontal position with the open end at the same height above ground or lower than the closed end of the electrode enclosure.
- Step 3**
- Step 4**

\* When using the Electrobits GTO10 Integral, the system is UL Listed