

cope : <b>USER MANUAL TNXCX HELIDECK FLOODLIGHT</b>					<b>BARTEC TECHNOR</b>
Rev : <b>D</b>	Date : 08.05.2014	Checked by : <b>E.T.</b>	Approved by : <b>S.Gr.</b>	Page : <b>1 of 1</b>	Doc. no. : <b>52-XCX-5</b>

**Important !!!**      **Always check Certificate before installation of equipment.**  
**Marking**            **A certification label is attached to the enclosure. Refer to Fig 1.**

**Handling**            Due to the weight and nature of the enclosures precautions have to be taken to avoid damages to the equipment and the individual. The Exd enclosure flamepaths must be securely protected to avoid damage.

**Installation/  
Dismantling**

When mounting the enclosure ensure that the mounting support is able to take the full weight of the enclosure. Installation to be performed according to standard IEC 60079-14 (NEK 420) and/or the requirements for the actual installation site. If any twisting or bending of the enclosed bracket is likely, use washers or packing plates as necessary between the mounting support and the bracket before the screws or nuts are tightened. The enclosure will be fixed to the bracket by using M8 bolts.

When connecting cables, ensure the incoming cables/wires are isolated from any power sources. Remove the lid from the junction box and connect the wires to the correct terminals. Make sure the supplied power correspond with the numbers given on the certification label. There are also two spare terminals for looping power to another unit. Ensure that the glands used are securely tighten and that they are approved according to ATEX alt. IEC Ex. Thereafter connect the internal (alt. external ) earth connections. Tighten the compression nut on the gland(s) used. All other openings to be blinded using ATEX alt. IECEx approved blanking plugs.

When removing the enclosure, the same precautions apply as those observed when mounting the enclosure.

**Use**                    Xenon lamps need about ten second to reach full brightness. Avoid switching it on and off in less than one minute, this may shorten the lamps lifetime.

**Inspection /  
Maintenance**

TNXCX enclosure is made of acid resistant stainless steel and thereof not subject to corrosion. We recommend that maintenance is performed in accordance with the IEC 60079-17/60079-1 standards. In order to open for inspection or lamp replacement, proceed as follow:

1. Disconnect the power source.
2. Pin spanner (3mm pins with 122mm spacing) is used to open the front lid (counter clockwise). Loosen lock screw first.
3. Notice the angle of the lens, this is critical to the beam pattern.
4. Clean and inspect the theads (flamepath) on the front lid.
5. Pull out internal bracket ½ length and disconnect internal powersupply.
6. Pull out the assembly completely.
7. Clean and inspect the theads (flamepath) in the tube.
8. Inspect the o-ring in the front lid, we recommend that this o-ring is replaced upon every opening of the enclosure, note new o-ring and all internal equipment to be purchased from Technor.
9. It is vital that threads and o-ring are protected with GLEITMO 165 grease or other approved greases after they have been dismantled.
10. In the end of the internal bracket there is a guideline wheel with a compression spring that may be adjusted to allow in and out movement 17-22mm of the three angled SS316 bars to ensure a tight fit to the front.
11. Insert internal bracket ½ length and connect the powersupply from linebushing.
12. Check the angle of lens. Fit the front glass lid and tighten it. Make sure the lock bolt match up with the notch in the tube, and secure the front with the lock bolt.

If any damage is found, the enclosure should be put out of service and the manufacture contacted.  
**Further technical informations is available on [www.bartec.no](http://www.bartec.no)**

Type: TNXCX	<b>BARTEC TECHNOR</b> STAVANGER NORWAY
0470  II 2G Ex de IIC T4 Gb DNV-2008-OSL-ATEX-27278	
Ex de IIC T4 Gb IECEx NEM 13.0029	
T.amb -50°C- +50°C	S.No./Year
U =	V I = I A