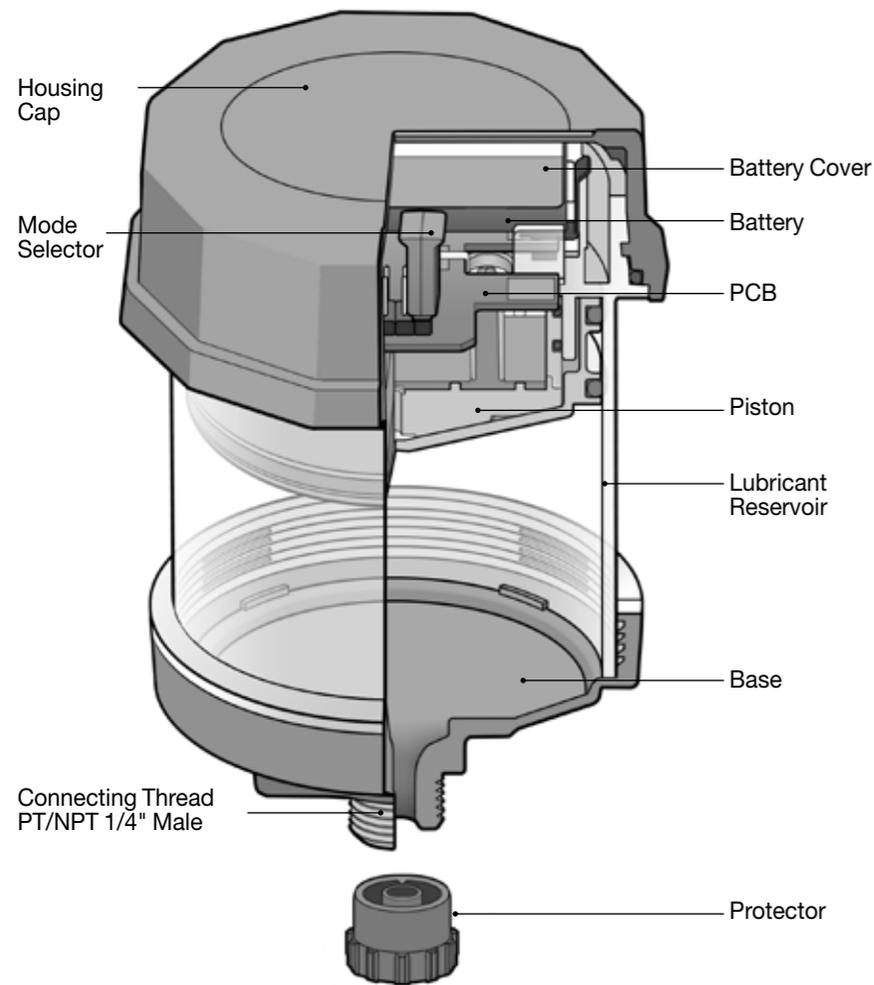
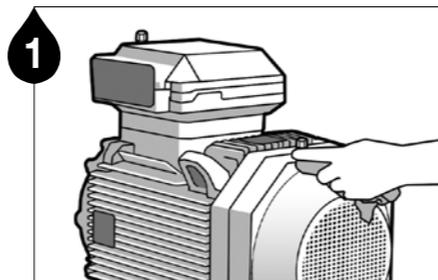


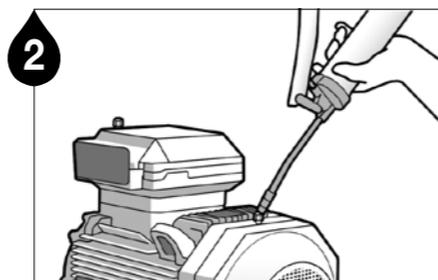
**Product Details**



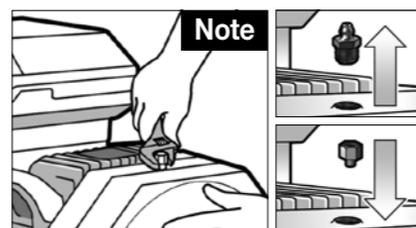
**Installation/Disposal Guidelines**



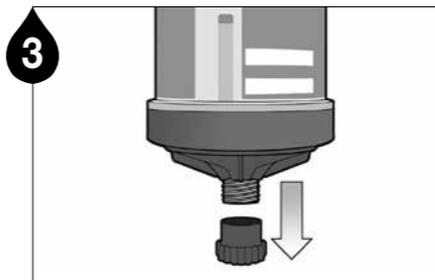
1 Remove contaminants around the lube point.



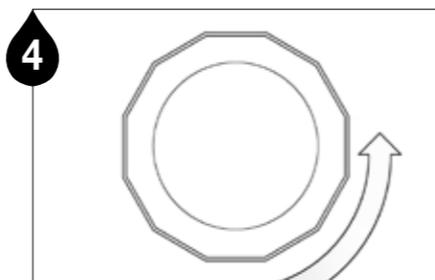
2 Ensure a clear passage using a manual grease gun. **Note 1** Remove any hardened grease by purging the lube point with a manual grease gun. **Note 2** The grease in the equipment and the grease contained in the unit should be the same or compatible.



Remove the grease nipple and install appropriate adaptors.



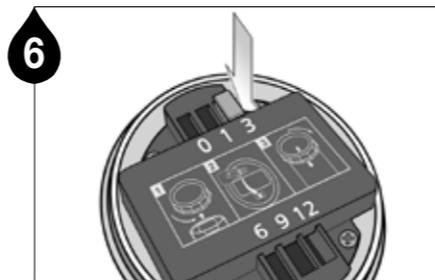
3 Remove the protector.



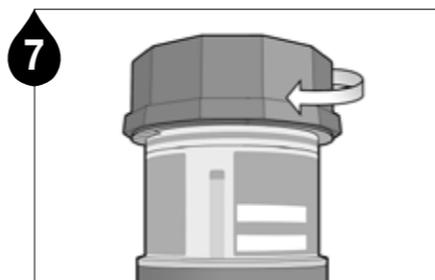
4 Turn the housing cap counterclockwise and unscrew the cap.



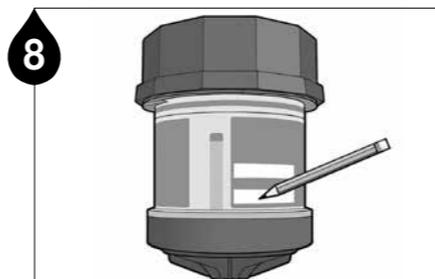
5 Pull out the yellow Mode Selector from the default OFF position.



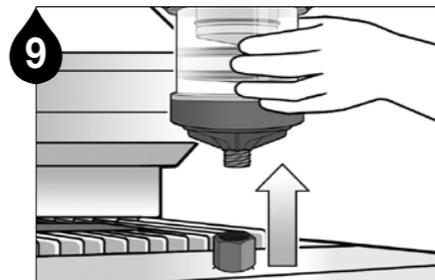
6 Firmly push the Mode Selector into the slot of the desired period.



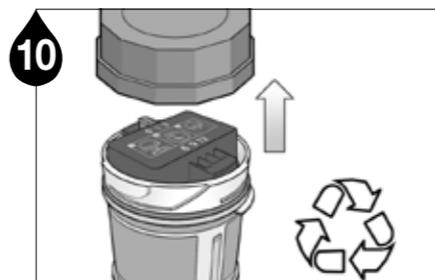
7 Screw the housing cap on the body.



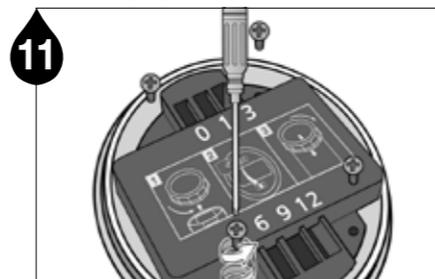
8 Note the installation date and the scheduled date of lube cycle completion on the label of the Technolube TL-EC. **Note** Please note there is a delay before the actual dispensing starts. It may take up to 1-3 weeks for enough gas to be formed depending on the dispensing setting & installation condition.



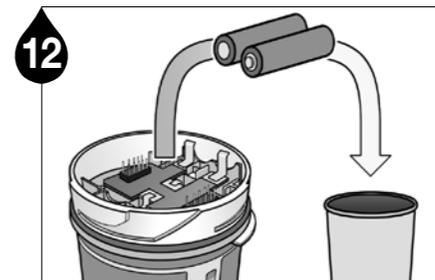
9 When the selected dispensing period of the Technolube TL-EC has completed, remove the lubricator from the application.



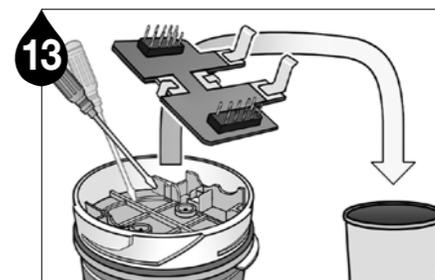
10 The Technolube TL-EC is an eco-friendly product that can be disposed of separately. Turn the housing cap counterclockwise to disassemble the product for proper disposal.



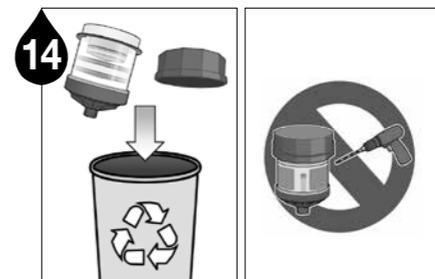
11 Unscrew the screws to remove the battery cover.



12 Remove the batteries.



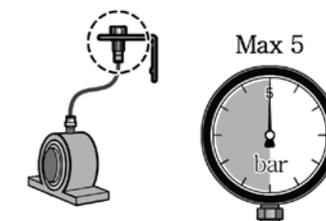
13 Using a hand tool such as a flat-head screwdriver, detach the PCB from the unit.



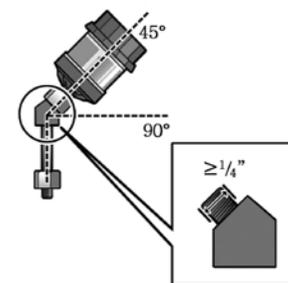
14 Dispose of remaining plastic components complying with local regulations for recycling. **Warning** Do not cut, puncture, or reuse lubricator.

**Mounting Installations**

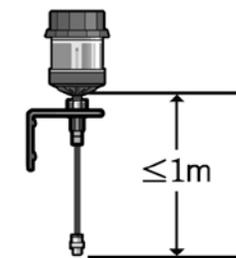
High backpressure can cause a delay in dispensing (must be under 5bar).



If the product is installed at a 45° or 90° angle, please use an angle adapter with a diameter greater than or equal to 1/4".



For remote installation using an Ø8 O.D. tubing, keep the maximum distance at 1m (3ft) or less.



## Dispensing Volume Chart

Dispensing Period	Dispensing Volume		
	60ml	120ml	240ml
1 month	2.00ml/day	4.00ml/day	8.00ml/day
3 month	0.67ml/day	1.33ml/day	2.66ml/day
6 month	0.33ml/day	0.67ml/day	1.33ml/day
9 month	0.22ml/day	0.44ml/day	0.89ml/day
12 month	0.17ml/day	0.33ml/day	0.67ml/day

**Note** Dispensing volumes (ml/day) are calculated assuming the lubricator is operating at 1 atm (14.7psi), 20°C. Output volume may vary with ambient temperature changes, atmospheric pressure changes, consistency of lubricant, or any resistance or backpressure existing at the lube point (bearing or passage).

### Shelf life and Product Warranty

The shelf life of the Technolube TL-EC unit is 1 year from the date of production. Product warranty is limited to original defects in material and workmanship and will not cover any collateral damage due to mishandling, abuse and/or any other inappropriate use of this product. Warranty period is 1 year from the date of purchase.

**Warning** This product is a disposable unit. Please replace with a new unit once set dispensing period has completed.

## Product Certifications

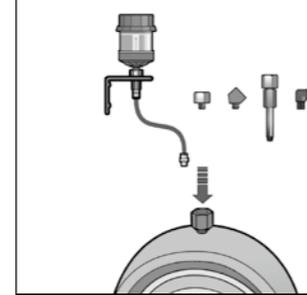
Certifications		
IECEX	Ex ia IIC T4 Ga IECEX KTL 12.0008X -20°C ≤ Ta ≤ +55°C	IEC 60079-0:2011 IEC 60079-11:2011
ATEX	 0344  II 1 G Ex ia IIC T4 Ga INERIS 12ATEX0062X -20°C ≤ Ta ≤ +55°C	EN 60079-0 : 2012/A11:2013 EN 60079-11 : 2012
KCs	 Ex ia IIC T4 12-KB2BO-0283X -20°C ≤ Ta ≤ +55°C	<b>IP68</b>
UL	 <b>UL LISTED</b> E352761	Cl. I, Div. 1, Gps. A, B, C, D Cl. II, Div. 1, Gps. E, F, G Hazardous locations, intrinsically safe, Exia, Temp. Code T4, -25°C ≤ Ta ≤ +55°C

 Approval No. 18-A180003-0  
TESTED FOR INTRINSIC SAFETY IN METHANE  
-AIR MIXTURES ONLY

### Warning

- ▶ Locations : Intrinsically Safe, SÉCURITÉ INTRINSÈQUE, Exia
- ▶ Potential electrostatic charging hazard; clean only with a damp cloth
- ▶ Do not charge, replace, or charge battery cells
- ▶ Temp Code T4 : -25°C ≤ TA ≤ +55°C
- ▶ Substitution of components may impair Intrinsic Safety : AVERTISSEMENT : LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE
- ▶ If ignitable gasses are present, touch only with an insulating object or while wearing an electrostatic grounding device
- ▶ To prevent ignition of flammable or combustible atmospheres, read, understand, and adhere to manufacturer's live maintenance procedure
- ▶ The batteries are not user-replaceable

### Mounting Methods



The Technolube TL-EC is designed for single point lubrication only. Direct mount is recommended. For applications not allowing any direct mounts, remotely mount the unit using appropriate accessories and keep the distance from the lube point as short as possible.

For remote installation using a tube, use an Ø8 O.D. (5/16") tubing pre-filled with the same or compatible grease as the grease contained in the unit.

**Warning** If excessive backpressure exists at the lube point, grease may escape at the base of the unit as a visual warning.

Rev.00

# Technolube Inc.

### Technolube Inc.

11211 Sealord Road Richmond BC, V7A 3K5 Canada  
TOLLFREE : 888-777-0144 FAX : 877-270-3599 www.technolube.ca / technolube@telus.net

Manufacturer : KLT Co.,Ltd.

**Technolube Inc.**

**User Manual**

# Technolube TL-EC

(60ml/120ml/240ml)

