

# Cleaning & Disinfecting Guide

ZKT<sub>ECO</sub>



## Disinfecting Optical Fingerprint sensor

- Use Ethanol or Isopropanol in concentrations of less than 50%.
- Use Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>), in 3% solution in water.
- Disconnect the unit from the power source
- Apply the liquid to a soft lint-free material (same as used to clean camera lenses) and gently dab the optical sensor
- Make sure there is no residual solution left over the sensor, if there's a sticky residue or underlying oiliness, you may use scotch tape to get rid of it by placing it on the sensor and peeling it off.

## Using Cleaning Solution

- Disconnect the unit from the power source
- Apply the liquid to a soft lint-free material (same as used to clean camera lenses) and gently dab the optical sensor
- **DO NOT** pour any liquid directly on the optical sensor
- **DO NOT** submerge the scanner in liquid.
- **DO NOT** rub the optical sensor with an abrasive material, including paper.



## Cleaning timeclock

Standard Swipe and go time clocks should be cleaned with a soft lint-free material, extra grime around corners can be worked off with a cotton swab. Using soft lint-free material start at the back reader and work forward.

- **DO NOT** pour any liquid directly on the terminal.
- **DO NOT** submerge the terminal in liquid.
- **DO NOT** rub the terminal with an abrasive material, including paper.

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## Allowable Brand Name Cleaning and Sterilization Wipes

Category	Product	Active Ingredients
New Generation Quaternary Alcohol Technology (Low concentration)	Sani-Cloth HB	<ul style="list-style-type: none"> <li>Quaternary Ammonium Compound (1.0%)                             <ul style="list-style-type: none"> <li>o dimethyl benzyl ammonium chloride (0.07%)</li> <li>o dimethyl ethylbenzyl ammonium chloride (0.07%)</li> </ul> </li> <li>Sani-Cloth Plus</li> <li>Isopropyl Alcohol (14.85%)</li> <li>2- Butoxyethanol (1-4%)</li> <li>Quaternary Ammonium Compounds (0.250%)</li> </ul>
	Sani-Cloth Plus	<ul style="list-style-type: none"> <li>sopropyl Alcohol (14.85%)</li> <li>2-Butoxyethanol (1-4%)</li> <li>Quaternary Ammonium Compounds (0.250%)</li> </ul>

## Allowable Brand Name Solutions

Cleaning Solutions	409 Spray Cleaner	<ul style="list-style-type: none"> <li>n-Alkyl Dimethylbenzyl Ammonium Chloride (0.3-0.6%)</li> <li>n-Propoxypropanol (0.5 - 2%)</li> <li>Monoethanolamine (0.5 – 1.5%)</li> </ul>
	Windex	<ul style="list-style-type: none"> <li>2-Butoxyethanol (0.5-1.5%)</li> <li>Ethylene Glycol Hexyl Ether (0.5-1.5%)</li> <li>Isopropyl Alcohol (1-5%)</li> </ul>
	Mild detergent (such as Manu-Klenz)	

## Disinfecting Solutions

Glutaraldehyde	Sterall Plus Spray	<ul style="list-style-type: none"> <li>Glutaraldehyde (0.28%)</li> <li>Para-tert-amylphenol (0.0027%)</li> <li>Ortho-phenylphenol (0.01%)</li> </ul>
Iodine	Betadine	<ul style="list-style-type: none"> <li>1-ethenyl-2-pyrrolidinone homopolymer compound with iodine (10.0-10.7%)</li> </ul>
New Generation Quaternary Alcohol Technology (Low concentration)	Envirocide	<ul style="list-style-type: none"> <li>Isopropanol (17.20%)</li> <li>Ethylene Glycol Monobutyl Ether (3.0%)</li> </ul>
	KleenAseptic B	<ul style="list-style-type: none"> <li>Isopropanol (14.84%)</li> <li>Ethylene Glycol Monobutyl Ether (2.84%)</li> </ul>
	Sklar Disinfectant	<ul style="list-style-type: none"> <li>Isopropanol (21%)</li> <li>Ethylene Glycol Monobutyl Ether (&lt;1%)</li> </ul>
Phenol	LpH se	<ul style="list-style-type: none"> <li>p-tertiary amylphenol (7.6%)</li> <li>#2-phenylphenol (7.7%)</li> <li>Phosphoric acid (15.0%)</li> <li>Isopropanol (7.5%)</li> </ul>
	WEX-CIDE	<ul style="list-style-type: none"> <li>ortho-Phenylphenol (3.4%)</li> <li>ortho-Benzyl-para-Chlorophenol (3.03%)</li> </ul>