E-Series Touchcomputer User Guide

Elo TouchSystems E-Series LCD Multi-function Touchcomputer

TOUCHSYSTEMS

TE connectivity TOUCH SOLUTIONS

TE Connectivity Touch Solutions

Elo TouchSystems

E-Series Touchcomputer User Guide

Multi-function Touchcomputer

Revision B

SW601671

TE Connectivity Touch Solutions
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www.elotouch.com

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CHAPTER

1

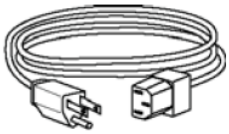
SETUP

This chapter discusses how to set up and test your touchcomputer.

Unpacking Your Touchcomputer

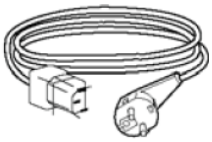
Check that the following items are present and in good condition:

Touchcomputer



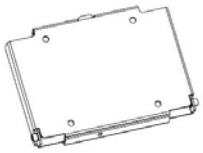
Power cable US/Canada

← AND →

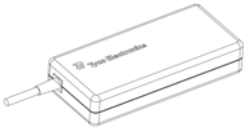


Power cable Europe

Driver CD and
Quick Install Guide



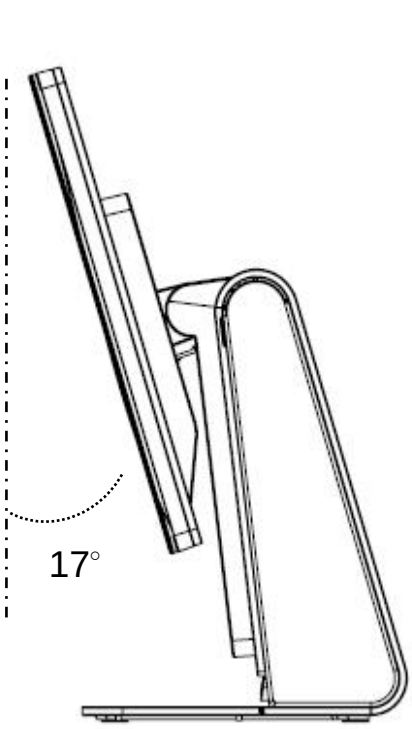
Wall Mounting
Brackets and Screws
(8 x M4, 1 x M3)



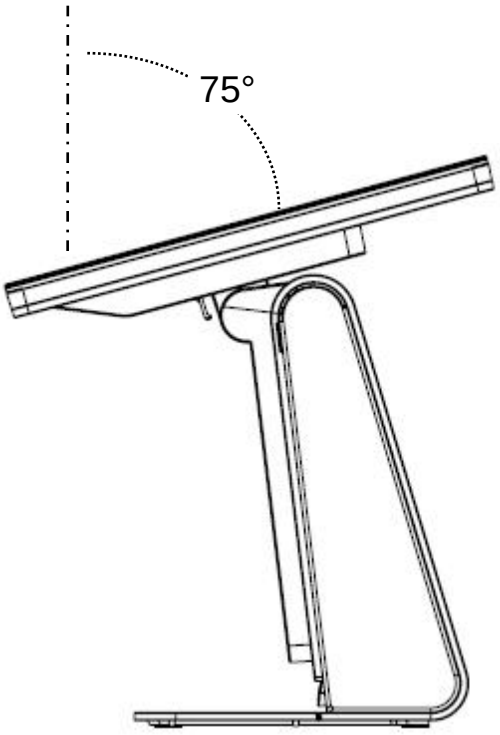
Power Adapter

Adjusting the Display

The display screen can be adjusted from -17 to +75 degrees, as shown below.



-17°



+75°

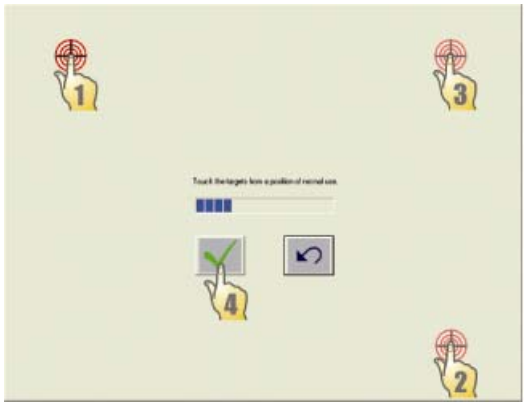
CAUTION: To prevent tipping or dropping, be sure to hold the base when adjusting the display.

Calibrating the Touchscreen in Microsoft Windows Operating Systems

The touchscreen is pre-calibrated for accurate touch response.

If for any reason the touchscreen needs to be recalibrated, right-click the Elo icon in the Taskbar and then click “Properties.” The following window opens.

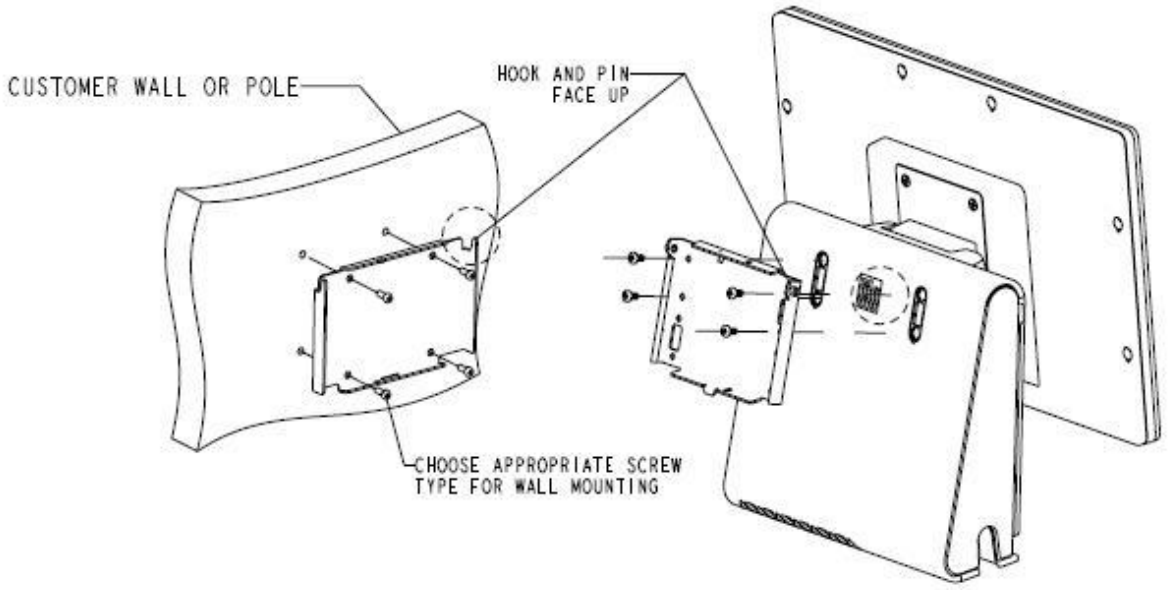
Click the **Align** button. This launches the calibration program. The window shown below opens. Follow the instructions to calibrate the touchscreen.



Additional Mounting Option for Your System

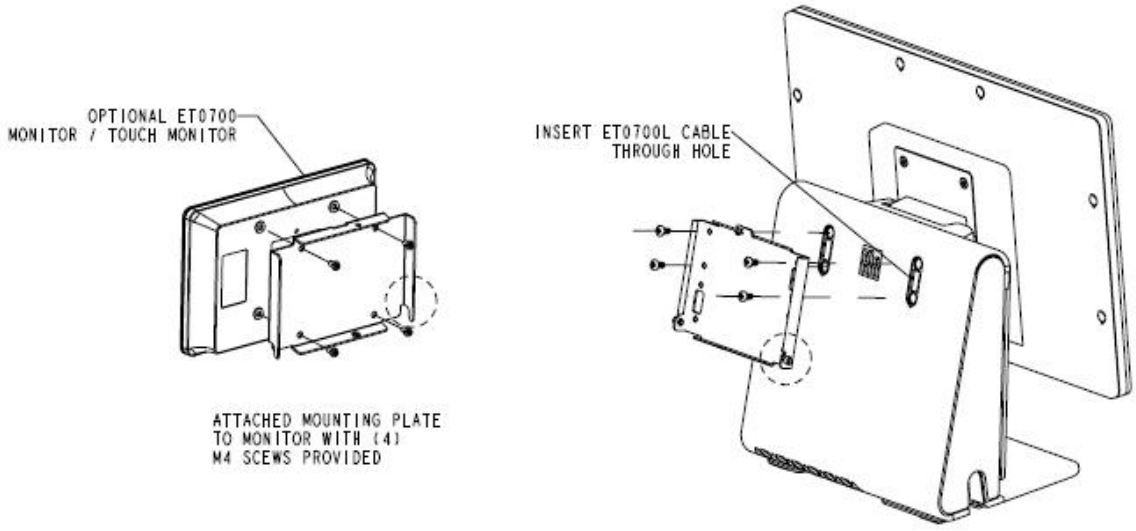
1) Mounting on the wall or pole

WALL / POLE MOUNT WITH PROVIDED BRACKET ASSEMBLY



2) Second monitor mount onto your system (any monitor under 2.5 Kg with 75mm VESA mount)

2ND MONITOR MOUNT WITH PROVIDED BRACKET ASSEMBLY



CHAPTER

2

OPERATION

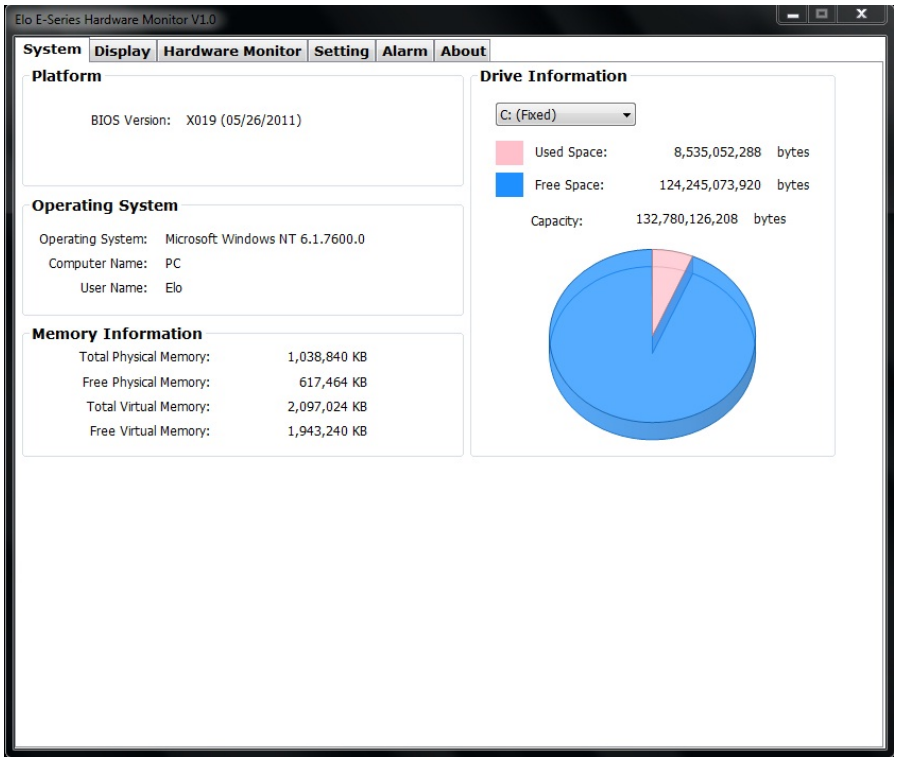
This chapter describes how to interact with the Elo TouchSystems diagnostic tool, power LED, and input/output panel.

Elo TouchSystems – E-Series Hardware Monitoring Utility

How to Install

The utility is included in the driver CD. Please go to “E-Series Hardware Monitor” folder located on the driver CD to install the utility.

E-Series Hardware Monitor Menu



The Hardware Monitor tool provides the following features.

Feature	Description
System	Display the BIOS version, operating system version, memory information, and drive information.
Display	Adjust brightness. • Brightness: Adjust the backlight of the monitor.
Hardware Monitor	Monitor the CPU temperature, system temperature, and system output voltages.
Setting	Set alarms when the CPU temperature, system temperature, and output voltages that meet the setting criterion.
Alarm	Display the record of all alarms.
About	General information for the E-Series diagnostic tool.

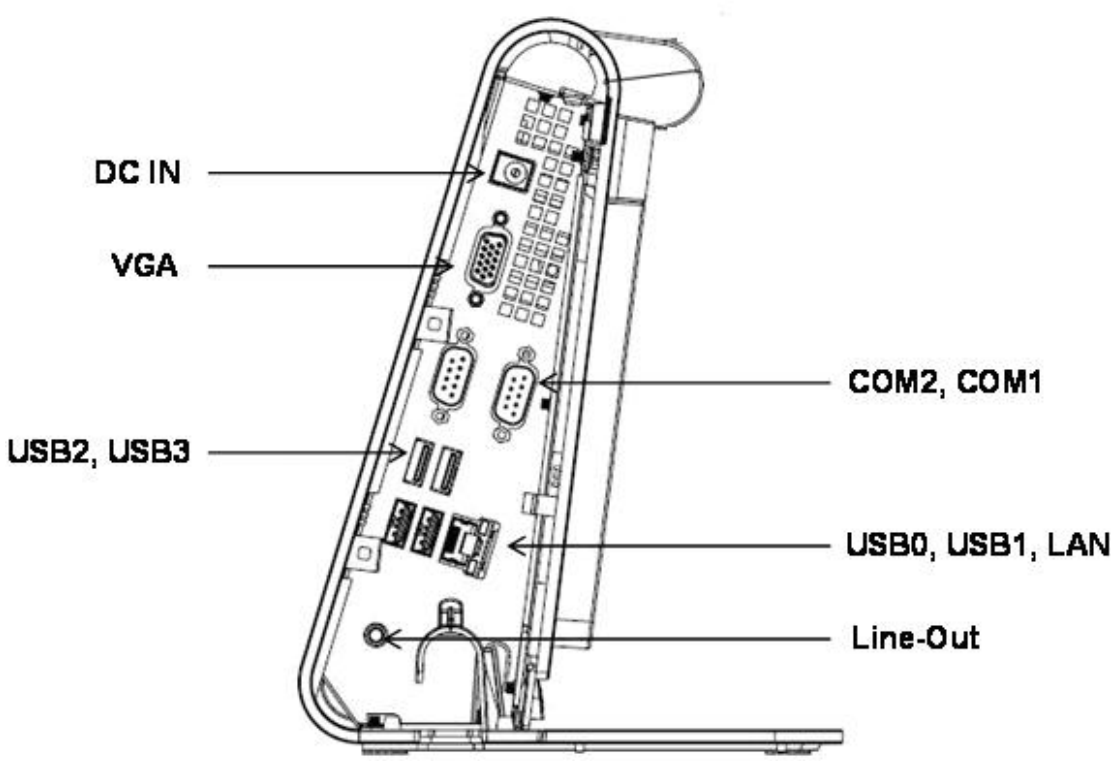
LED Functionality

The E-Series base has a LED indicating the state of the touchcomputer. The table below shows LED state and corresponding color.

LED Color to Observer	State
Off	No input power — Off mode
Red	Input power present – Off or Hibernation mode
Orange	Input power present — Standby mode S3
Blinking Green	Input power present — Standby mode S1
Green	Input power present — Power on

Accessing the Input/Output Panel

To access the input/output (I/O) ports, remove the I/O cover at the left of the unit. A security screw is included and may be used to secure the front cover to the touchcomputer. Below are the I/O descriptions:



Note: As a safety precaution, always leave the I/O cover attached when the system is powered on.

CHAPTER

3

SAFETY AND MAINTENANCE

Safety

Important information regarding the proper setup and maintenance of your touchcomputer:

- To reduce the risk of electric shock, follow all safety notices and never open the touchcomputer case.
- Turn off the product before cleaning (refer to “Care and Handling” for proper cleaning methods).
- Your touchcomputer is equipped with a 3-wire, grounding power cord. The power cord plug only fits into a grounded outlet. Do not attempt to fit the plug into an outlet that has not been configured for this purpose. Do not use a damaged power cord. Only use the power cord that comes with your Elo TouchSystems touchcomputer. Use of an unauthorized power cord might invalidate your warranty.
- The slots located on the sides and top of the touchcomputer case are for ventilation. Do not block or insert anything inside the ventilation slots.
- It is important that your touchcomputer remains dry. Do not pour liquid into or onto your touchcomputer. If your touchcomputer becomes wet, do not attempt to repair it yourself. Contact Elo Customer Service for instructions.

Care and Handling

The following tips help keep your touchcomputer functioning at the optimal level.

To avoid risk of electric shock, do not disassemble the power adapter or display unit cabinet. The unit is not user serviceable. Remember to unplug the display unit from the power outlet before cleaning.

Do not use alcohol (methyl, ethyl, or isopropyl) or any strong solvent. Do not use thinner or benzene, abrasive cleaners, or compressed air.

To clean the display unit cabinet, use a cloth lightly dampened with a mild detergent.

Avoid getting liquids inside your touchcomputer. If liquid does get inside, have a qualified service technician check it before you power it on again.

Do not wipe the screen with a cloth or sponge that could scratch the surface.

To clean the touchscreen, use window or glass cleaner. Put the cleaner on the rag and wipe the touchscreen. Never apply the cleaner directly on the touchscreen.

WEEE Directive

In the European Union, the Waste Electrical and Electronic Equipment (WEEE) directive label shown to the left indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility for recovery and recycling.

UL Directive

E-Series touchcomputer has included a lithium battery on the motherboard. There is a risk of explosion if battery is replaced by an incorrect type. Please dispose of used batteries according the region instructions.

China RoHS

中国 **RoHS**

根据中国(电子讯息产品污染控制管理办法),
以下部份列出本公司产品中可能包含的有毒和/或有害物质的名称和含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr^{6+})	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件	O	O	O	O	O	O
金属部件	X	O	O	O	O	O
电线电缆组件	X	O	O	O	O	O
LCD 屏	X	X	O	O	O	O
触控屏	X	O	O	O	O	O
电路模组	X	O	O	O	O	O
软件 (CD 等)	O	O	O	O	O	O

O 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求下.

X 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出在 SJ/T 11363-2006 标准规定的限量要求,对于所有显示 X 的情况,本公司按照 EU RoHS 采用了容许的豁免指标.

产品标示说明

(1).根据 SJ/T11364-2006 要求, 本公司电子信息产品均注明以下污染控制标志.

本产品环保使用期限为 10 年, 在下列温度和湿度使用的条件下,不会发生外泄或突变, 使用该电子讯息产品不会对环境造成严重污染或对其人身财产造成严重损害,

*操作条件 温度:0℃~35℃(32℉~95℉)/湿度:20%~80% (不凝结).

*储存条件 温度:-30℃~60℃(-22℉~140℉)/湿度:5%~95% (不凝结).

(2). 本公司鼓励并建议客户将本产品依据所在地的相关法令,进行回收及再利用, 切勿随意与一般垃圾丢弃.

CHAPTER

4

TECHNICAL SUPPORT

Technical Assistance

There are two methods to obtain contact information for technical assistance on the touchcomputer:

- The web
- The phone

Using the Web

For technical support, go to www.elotouch.com/go/contactsupport.

For current Elo news, product updates, and announcements, or to register to receive our Touchcomputer newsletter, go to www.elotouch.com/go/news.

Using the Phone

For technical support, see the table at the end of the user guide for contact information.

REGULATORY INFORMATION

I. Electrical Safety Information

A) Compliance is required with respect to the voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified herein may result in improper operation, damage to the equipment, invalidation of warranty, or a fire hazard if the requirements are not followed.

B) There are no operator-serviceable parts inside this equipment. There are hazardous voltages generated by this equipment which constitute a safety hazard. Service should be provided only by a qualified service technician.

C) This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.

1) Do not substitute the cord with other than the provided approved type. Under no circumstances use an adapter plug to connect to a 2-wire outlet as this defeats the continuity of the grounding wire.

2) The equipment requires the use of the ground wire as a part of the safety certification. Modification or misuse can provide a shock hazard that can result in serious injury or death.

3) Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment to main power.

II. Emissions and Immunity Information

A) Notice to Users in the United States: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential or commercial installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

B) Notice to Users in Canada: This equipment complies with the Class B limits for radio noise emissions from digital apparatus as established by the Radio Interference Regulations of Industry Canada.

C) Notice to Users in the European Union: Use only the provided power cords and interconnecting cabling provided with the equipment. Substitution of provided cords and cabling may compromise electrical safety or CE Mark Certification for emissions or immunity as required by the following standards: This Information

Technology Equipment (ITE) is required to have a CE Mark on the manufacturer's label which means that the equipment has been tested to the following Directives and Standards:

This equipment has been tested to the requirements for the CE Mark as required by EMC Directive 2004/108/EC indicated in European Standard EN 55022 Class B and the Low Voltage Directive 2006/95/EC as indicated in European Standard EN 60950-1.

D) General Information to all Users: This equipment generates, uses, and can radiate radio frequency energy. If not installed and used according to this manual, the equipment may cause interference with radio and television communications. There is, however, no guarantee that interference will not occur in any particular installation due to site-specific factors.

1) In order to meet emission and immunity requirements, the user must observe the following:

a) Use only the provided cables to connect the Elo touchcomputer.

b) To ensure compliance, use only the provided manufacturer's approved power cord.

c) The user is cautioned that changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2) If this equipment appears to cause interference with radio or television reception, or any other device:

a) Verify as an emission source by turning the equipment off and on.

b) If you determine that this equipment is causing the interference, try to correct the interference by using one or more of the following measures:

i) Move the digital device away from the affected receiver.

ii) Reposition (turn) the digital device with respect to the affected receiver.

iii) Reorient the affected receiver's antenna.

iv) Plug the digital device into a different AC outlet so the digital device and the receiver are on different branch circuits.

v) Disconnect and remove any I/O cables that the digital device does not use. (Unterminated I/O cables are a potential source of high RF emission levels.)

vi) Plug the digital device into only a grounded outlet receptacle. Do not use AC adapter plugs. (Removing or cutting the line cord ground may increase RF emission levels and may also present a lethal shock hazard to the user.)

vii) If you need additional help, consult your dealer, manufacturer, or an experienced radio or television technician.

III. Agency Certifications

The following certifications have been issued for the touchcomputer:

- CE
- China (CCC)
- Russia (GOST)
- Ukraine (UKSERTCOMPUTER)
- Belarus (BelGiss)
- Croatia (KONCAR)
- Serbia (KVALITET)
- Bosnia (KVALITET)
- Israel (SII)
- Mexico (NOM CoC)
-
-

WARRANTY

Except as otherwise stated herein or in an order acknowledgment delivered to Buyer, Seller warrants to Buyer that the Product shall be free of defects in materials and workmanship. With the exception of the negotiated warranty periods; the warranty for the touchcomputer and components of the product is one year.

Seller makes no warranty regarding the model life of components. Seller's suppliers may at any time and from time to time make changes in the components delivered as Products or components. Buyer shall notify Seller in writing promptly (and in no case later than thirty (30) days after discovery) of the failure of any Product to conform to the warranty set forth above; shall describe in commercially reasonable detail in such notice the symptoms associated with such failure; and shall provide to Seller the opportunity to inspect such Products as installed, if possible. The notice must be received by Seller during the Warranty Period for such product, unless otherwise directed in writing by the Seller. Within thirty (30) days after submitting such notice, Buyer shall package the allegedly defective Product in its original shipping carton(s) or a functional equivalent and shall ship to Seller at Buyer's expense and risk.

Within a reasonable time after receipt of the allegedly defective Product and verification by Seller that the Product fails to meet the warranty set forth above, Seller shall correct such failure by, at Seller's options, either (i) modifying or repairing the Product or (ii) replacing the Product. Such modification, repair, or replacement and the return shipment of the Product with minimum insurance to Buyer shall be at Seller's expense. Buyer shall bear the risk of loss or damage in transit, and may insure the Product. Buyer shall reimburse Seller for transportation cost incurred for Product returned but not found by Seller to be defective. Modification or repair, of Products may, at Seller's option, take place either at Seller's facilities or at Buyer's premises. If Seller is unable to modify, repair, or replace a Product to conform to the warranty set forth above, then Seller shall, at Seller's option, either refund to Buyer or credit to Buyer's account the purchase price of the Product less depreciation calculated on a straight-line basis over Seller's stated Warranty Period.

THESE REMEDIES SHALL BE THE BUYER'S EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY. EXCEPT FOR THE EXPRESS WARRANTY SET FORTH ABOVE, SELLER GRANTS NO OTHER WARRANTIES, EXPRESS OR IMPLIED BY STATUTE OR OTHERWISE, REGARDING THE PRODUCTS, THEIR FITNESS FOR ANY PURPOSE, THEIR QUALITY, THEIR MERCHANTABILITY, THEIR NONINFRINGEMENT, OR OTHERWISE. NO EMPLOYEE OF SELLER OR ANY OTHER PARTY IS AUTHORIZED TO MAKE ANY WARRANTY FOR THE GOODS OTHER THAN THE WARRANTY SET FORTH HEREIN. SELLER'S LIABILITY UNDER THE WARRANTY SHALL BE LIMITED TO A REFUND OF THE PURCHASE PRICE OF THE PRODUCT. IN NO EVENT SHALL SELLER BE LIABLE FOR THE COST OF PROCUREMENT OR INSTALLATION OF SUBSTITUTE GOODS BY BUYER OR FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES.

Buyer assumes the risk and agrees to indemnify Seller against and hold Seller harmless from all liability relating to (i) assessing the suitability for Buyer's intended use of the Products and of any system design or drawing and (ii) determining the compliance of Buyer's use of the Products with applicable laws, regulations, codes, and standards. Buyer retains and accepts full responsibility for all warranty and other claims relating to or arising from Buyer's products, which include or incorporate Products or components manufactured or supplied by Seller. Buyer is solely responsible for any and all representations and warranties regarding the Products made or authorized by Buyer. Buyer will indemnify Seller and hold Seller harmless from any liability, claims, loss, cost, or expenses (including reasonable attorney's fees) attributable to Buyer's products or representations or warranties concerning same.

www.elotouch.com

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- ***Specifications***
- ***News on upcoming events***
- ***Press release***
- ***Software drivers***
- ***Touch Monitor Newsletter***

Getting in Touch with TE Touch Solutions

To find out more about the extensive range of Elo TouchSystems touch solutions, visit our Website at www.elotouch.com or simply call the office nearest you:

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