ELAN ITP2-8 Interactive Touch Panel

ELAN ITP2-8 Interactive Touch Panel User Manual

Contents

ELAN ITP2-8 Interactive Touch Panel

Product Information

Specifications

- **Dimensions:** 8w x 5.5h (in) / 20.33w x 13.98h (cm)
- **Overall Mounting Depth**: 1 (in) / 2.54 (cm)
- **Audio:** Dual Digital MEMS Microphone-Array, Stereo Micro Speakers (2)
- **Video:** 5 MP CMOS sensor
- **Display:** 8 / 1920 x 1200
- **Connections:** LAN/PoE RJ45, Power 2-pin Phoenix, USB Type A
- **Power Requirements:** Direct 12V 1A, IEEE 802.3at, 13W maximum draw PoE (@48V 270mA max)
- **Network:** 10/100 Ethernet, 802.11 B/G/N WiFi
- **Temperature:** Suitable for low-humidity indoor environments

Product Usage Instructions

Installation

1. Ensure the area of installation is a low-humidity indoor environment.
2. Use a standard 2-gang US junction box or low-voltage bracket for installation (not included).

- **Powering Up**

    - Connect the ITP2-8 to a power source with the provided power requirements.
- **Startup Settings**
    - Adjust the startup settings as needed for your setup.
- **Reset**
    - To reset the device, follow the specified reset procedure in the manual.
- **Removing the ITP2-8**
    - If you need to remove the device, follow the removal instructions provided in the manual.

FAQ

- **What are the power requirements for the ITP2-8?**
    - The ITP2-8 requires a direct power source of 12V 1A or can be powered via IEEE 802.3at PoE with a maximum draw of 13W (@48V 270mA max).
- **Can the ITP2-8 be installed outdoors?**
    - No, the ITP2-8 is designed for installation in low-humidity indoor environments and should not be installed outdoors or in high-humidity areas.

Introduction

Thank you for including the ITP2-8 as part of the user interface strategy for your customer. The ITP2-8 has been designed to provide years of trouble-free operation when wired and installed properly. The ITP2-8 has been designed for installation in low-humidity indoor environments and should never be installed outdoors or in high-humidity areas.

Included in the box:

- (1) ITP2-8 touch panel
- (1) ITP2-8 mounting bracket
- (1) panel removal key
- (4) mounting screws
- (1) DC power connector

To install the ITP2-8 you will need a standard 2-gang US junction box or low-voltage bracket (not included).

Specifications

Dimensions

- **Overall**/ 8w x 5.5h (in) / 20.33w x 13.98h (cm)
- **Mounting Depth**/ 1 (in) / 2.54 (cm)

Audio

Microphone/ Dual Digital MEMS Microphone-Array
Speaker/ Stereo Micro Speakers (2)

Video

- **Camera** /5 MP CMOS sensor
- **Displa**y /8” / 1920 x 1200

Connections

- **LAN**/**PoE**/ RJ45
- **Power** /2-pin Phoenix
- **USB** /Type A

Power Requirements

- **Direct**/ 12V 1A
- **PoE**/ IEEE 802.3at, 13W maximum draw (@48V 270mA max)
- **Network**/ 10/100 Ethernet 802.11 B/G/N WiFi
- **Temperature**/ Operating Temperature 0° C – 40° C

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped

FCC and IC Information

This Class B digital apparatus complies with Part 15 of the FCC rules and with Canadian ICES-003 and RSS-247.

Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) rules. These limits are designed to provide reasonable protection against harmful interference in a residential 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

FCC and IC Registrations

FCC ID: EF400238	802.11 B/G/N WIFI	Max Power 18dBm
IC ID: 1078A-00238	Bluetooth V5.2	Max Power 9dBm
HVIN: ITP2-8	Frequency	2.4GHz
CAN ICES-003 (B) / NMB-003 (B)		

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC and IC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the exemption from the routine evaluation limits in section 2.5 of RSS 102.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

FCC/IC RF Radiation Exposure Statement

Caution:

This Transmitter must be installed to provide a separation distance of at least 20cm from all persons.

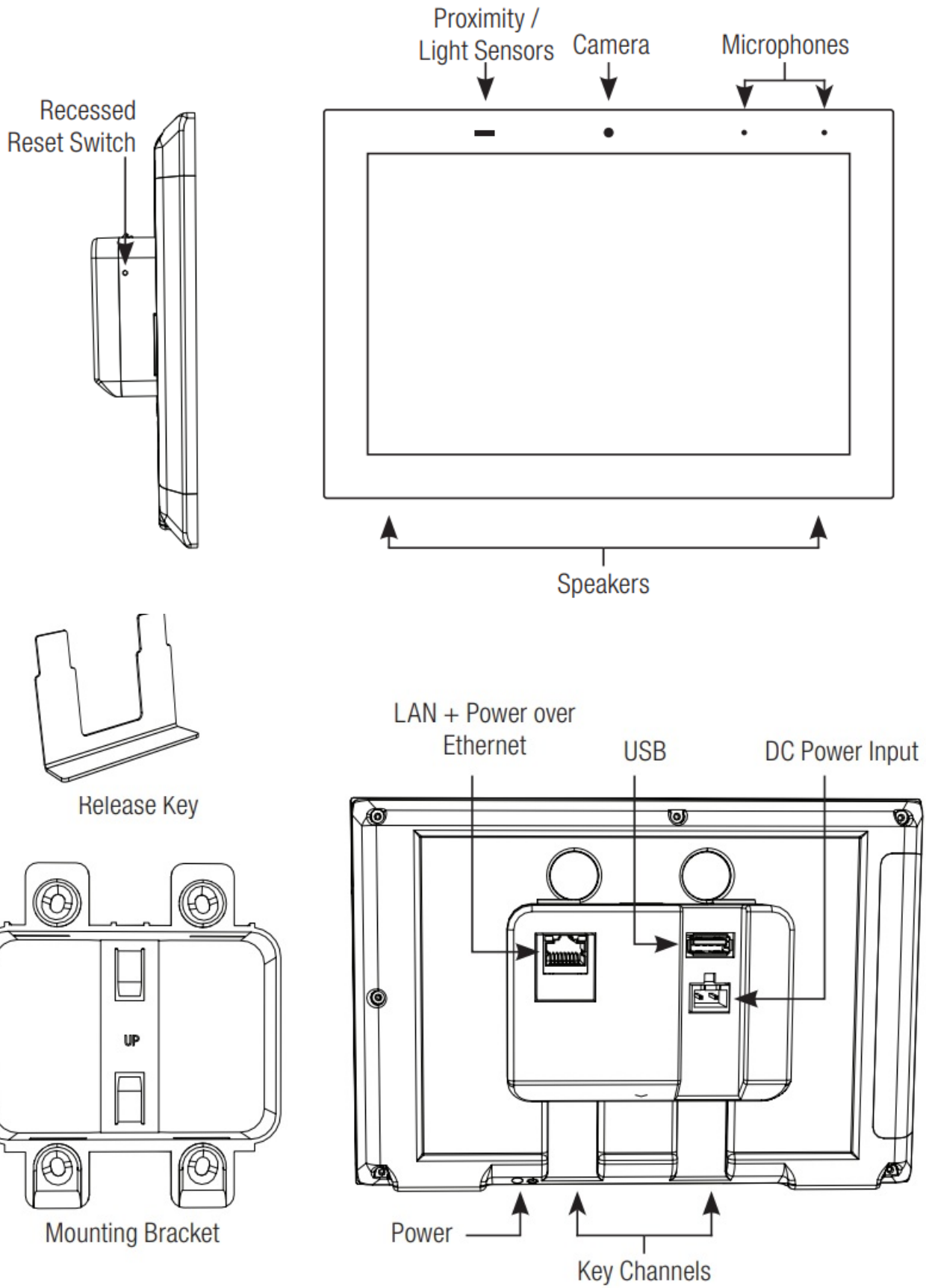
Warning:

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102, and users can obtain Canadian information on RF exposure and compliance from the Canadian Representative Product Solutions Group at Tel: (519) 763-4538.

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Nice North America LLC declares that the radio equipment type ITP2-8 is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: **https://go.niceqrc.com/sN0tpP9rN**

Overview



Planning the Installation

The ITP2-8 is designed to wall mount in either Portrait or Landscape orientation. Ensure there is adequate wall space for the ITP2-8 and that the surface is relatively smooth. The ITP2-8 requires a minimum mounting depth of 1¾" (4.5 cm) from the front surface plus room for wire. Ensure that adequate depth is available.
Power may be supplied by Power Over Ethernet (PoE) or by a 12V DC power supply (not included). PoE must meet the IEEE 802.3af standard. Direct power via a 12V DC external power supply requires a minimum current output of 1A.

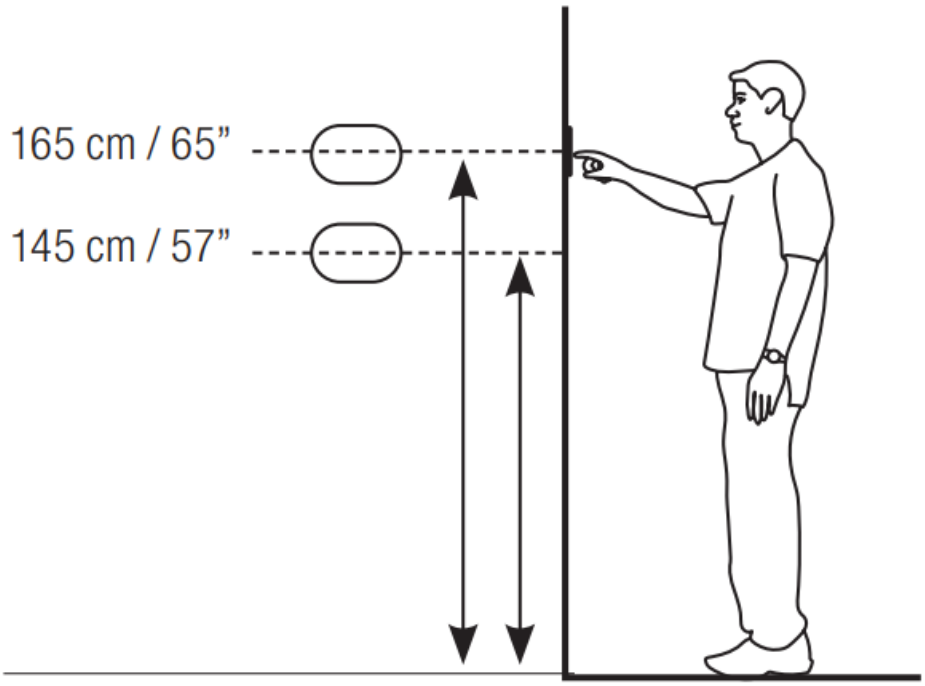
The ITP2-8 connects to the local network via Ethernet or Wi-Fi. When using Wi-Fi you must ensure that there is adequate Wi-Fi coverage at the mounting location.

Step 1

Installing the ITP2-8

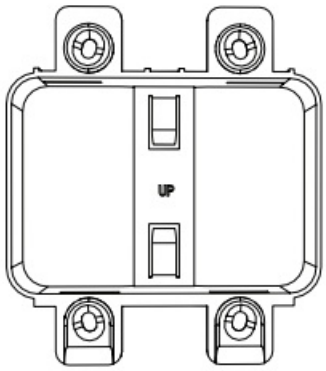
Mounting Height

Depending on how tall your homeowner is, it is recommended to locate the center of the panel between 57"- 65" (145 cm -165 cm) above the finished floor.



Mounting Bracket

The ITP2-8 has been designed to mount to a US standard 2 gang box or low voltage bracket.
The ITP2-8 bracket mounts to the standard 2 gang box and the ITP2-8 snaps into the ITP2-8 bracket.



Mounting Bracket

New Construction Box

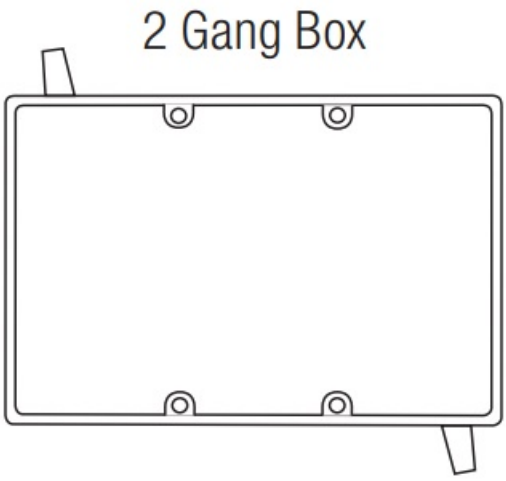
Retrofit Box

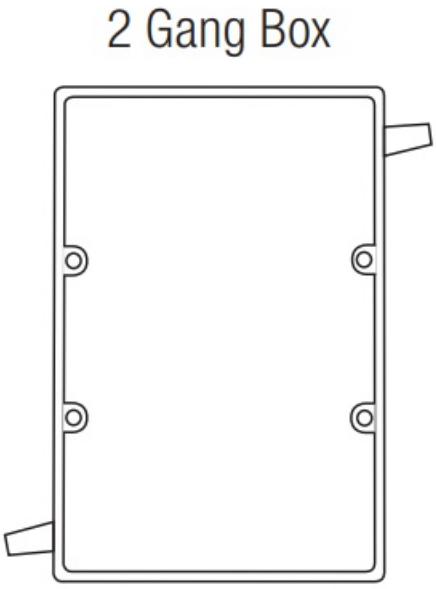
New Construction Low Voltage Bracket

Retrofit Low Voltage Bracket

Landscape Mounting

Install the 2 gang box or bracket in it's normal orientation – with mounting screw holes at the top and bottom.

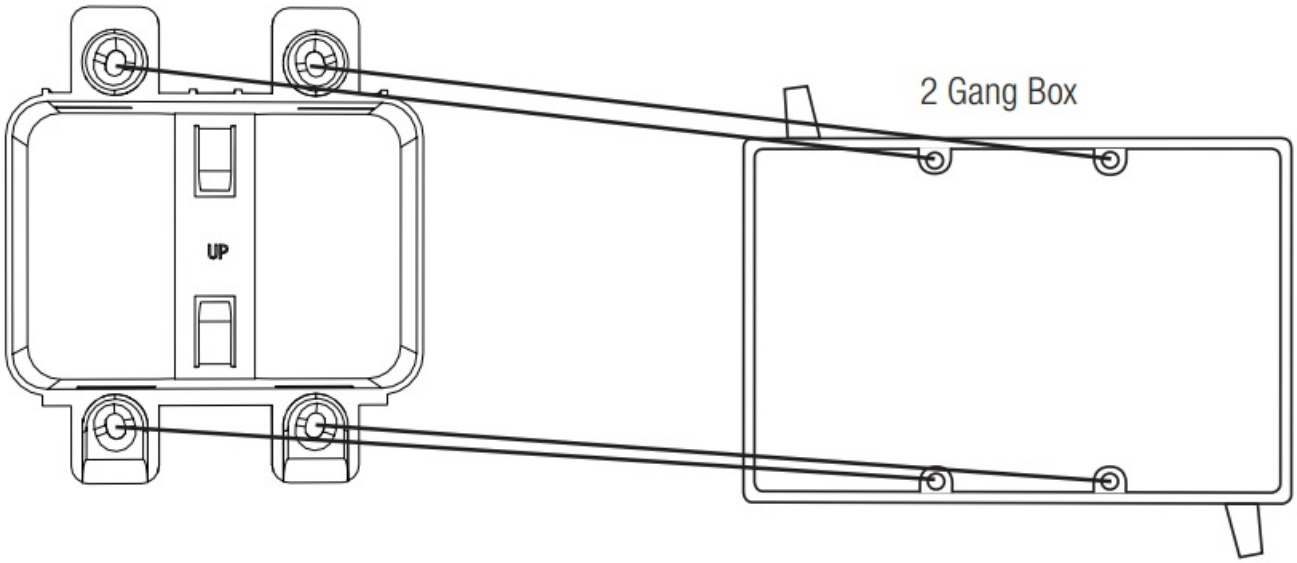




Portrait Mounting
Install the 2 gang box or bracket rotated 90° – with the mounting screw holes on the left and right sides.

Installing the ITP2-8 Bracket

The ITP2-8 includes a mounting bracket that must be used. Using the included screws, mount the bracket to a standard 2 gang electrical box or low voltage bracket and verify that the bracket is level before tightening the screws.

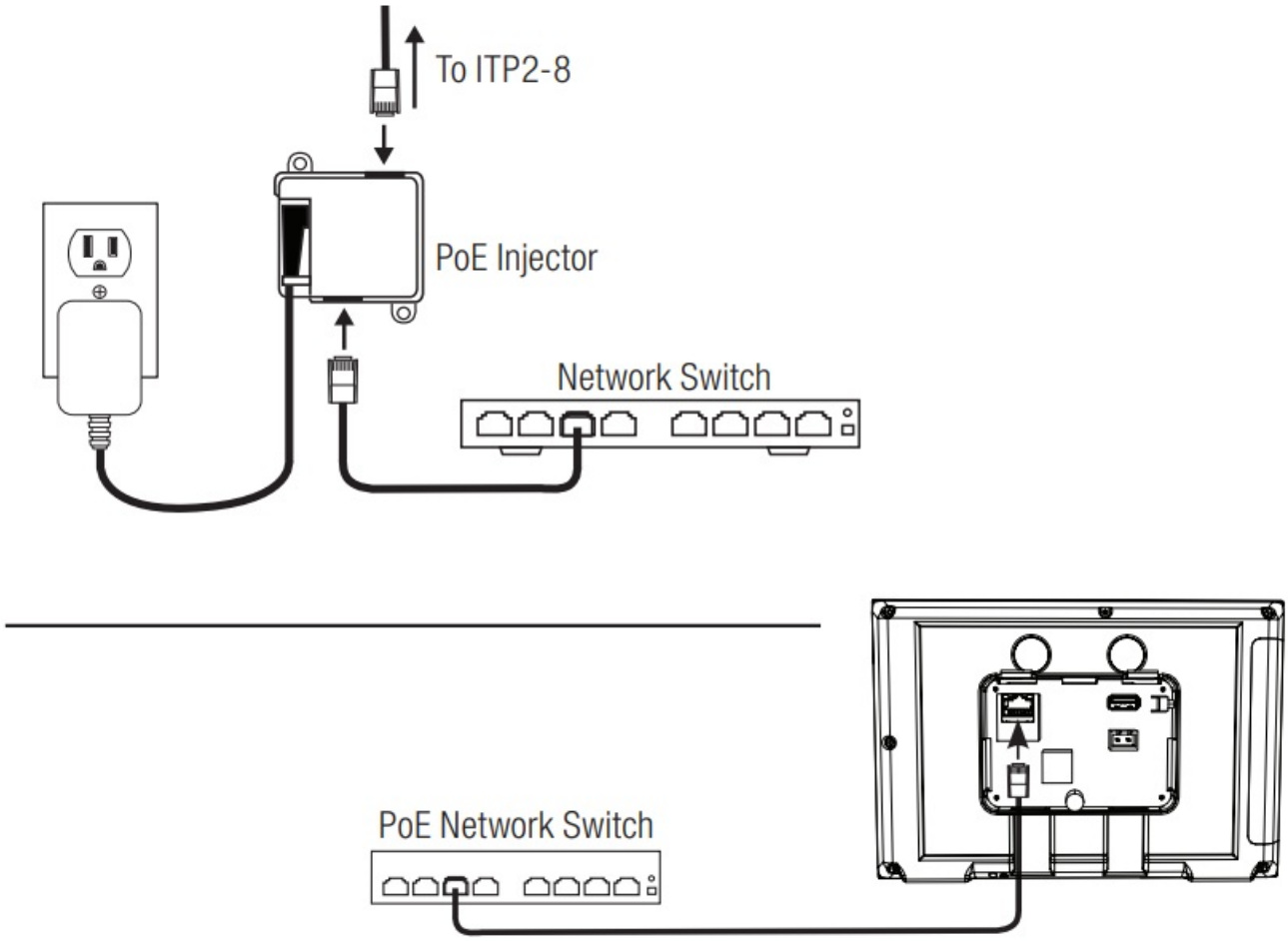


Connecting the ITP2-8 to Power

The ITP2-8 is designed to be powered over the Ethernet connection (PoE) or by connecting a 12V DC power supply (not included), but not both. If both the PoE and a 12V DC power supply are connected the ITP2-8 will draw power from the 12V DC source.

PoE Connection

PoE connection requires that IEEE 802.3af standard (13W maximum draw @48 V DC @270 mA) is met. Use a network switch or PoE injector that meets this standard. Connect the ITP2-8 using a standard T568A or T568B Ethernet cable from the network switch to the LAN/PoE jack. If you have terminated your own CAT 5e/6/7 cable use a tester to ensure that both ends have been properly terminated.



12V DC Power Supply

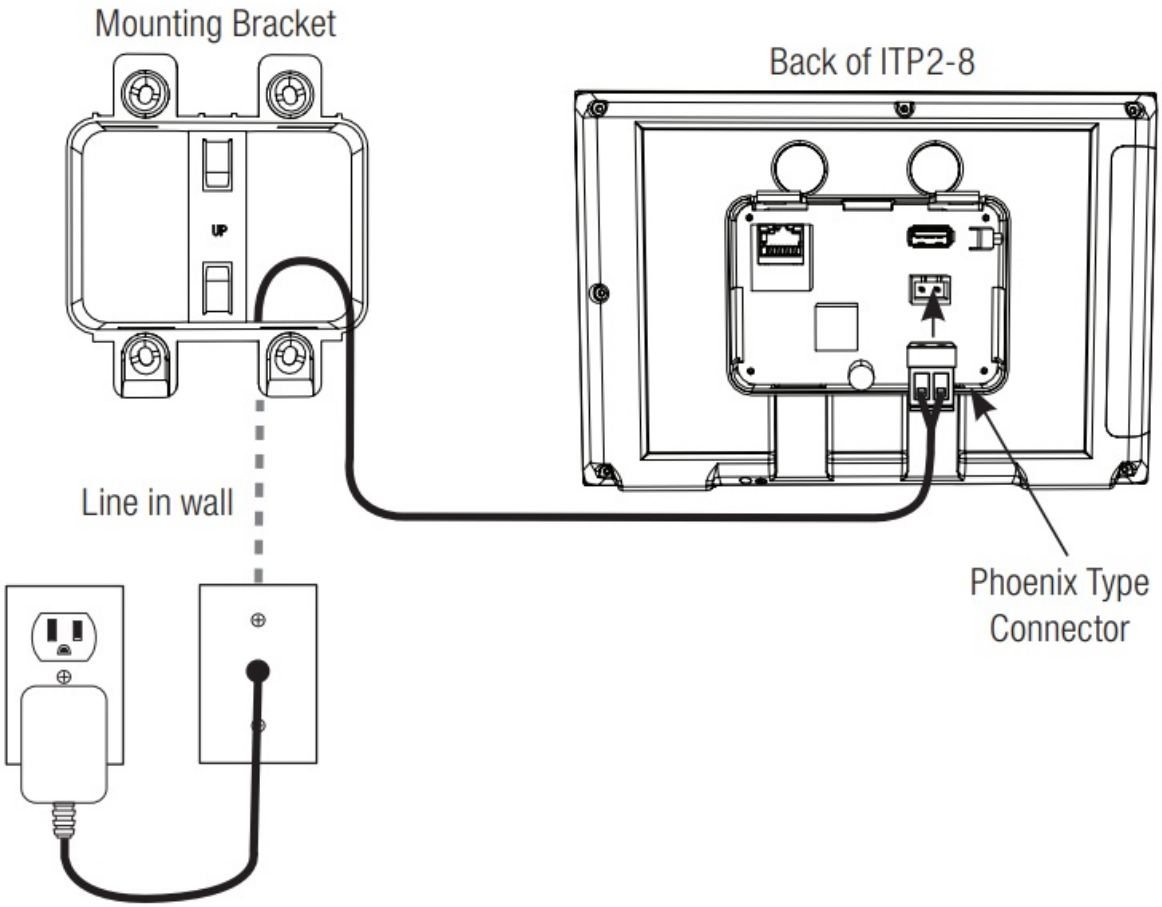
By using a 12V DC power supply (not included) to power the ITP2-8 you can provide power locally or remotely. If powering locally, be sure to run the wire through the wall in accordance with local building and electrical codes. If powering remotely, be sure to use wire of adequate gauge for the length of the run. Verify the polarity of your power supply prior to termination and ensure the power supply is not connected to a power source.

Strip approx. 1/4” of insulation from the wire, and observing the correct polarity, terminate the wire into the supplied connector and tighten firmly. Be sure to twist the wires before inserting so that no strands escape the connector. Inspect the termination to verify that the wire is securely retained by the connector and no strands have escaped the barrier. Plug the connector into the ITP2-8.

Connecting Ethernet

When not using PoE, and you have a physical network connection available it is recommended that you connect the ITP2-8 directly to the network switch. Using a T568A or T568B network cable, connect to the LAN/PoE jack.

If you have terminated your own CAT 5e/6/7 cable use a tester to ensure that both ends have been properly terminated



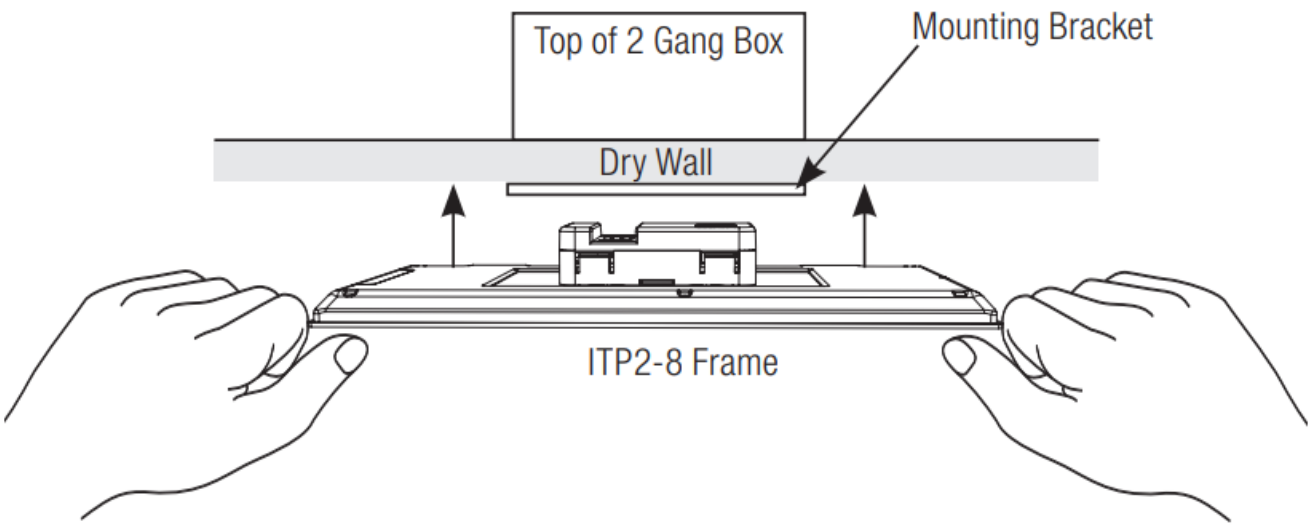
Mounting the ITP2-8

The ITP2-8 is held into the mounting bracket by with tabs on the rear of the panel. Orient the panel with the camera, microphones, and sensors button at the top for landscape mounting, or the right side for portrait mounting.

To complete the installation simply grasp the ITP2-8 on the edges and press firmly on to the bracket until it is settled.

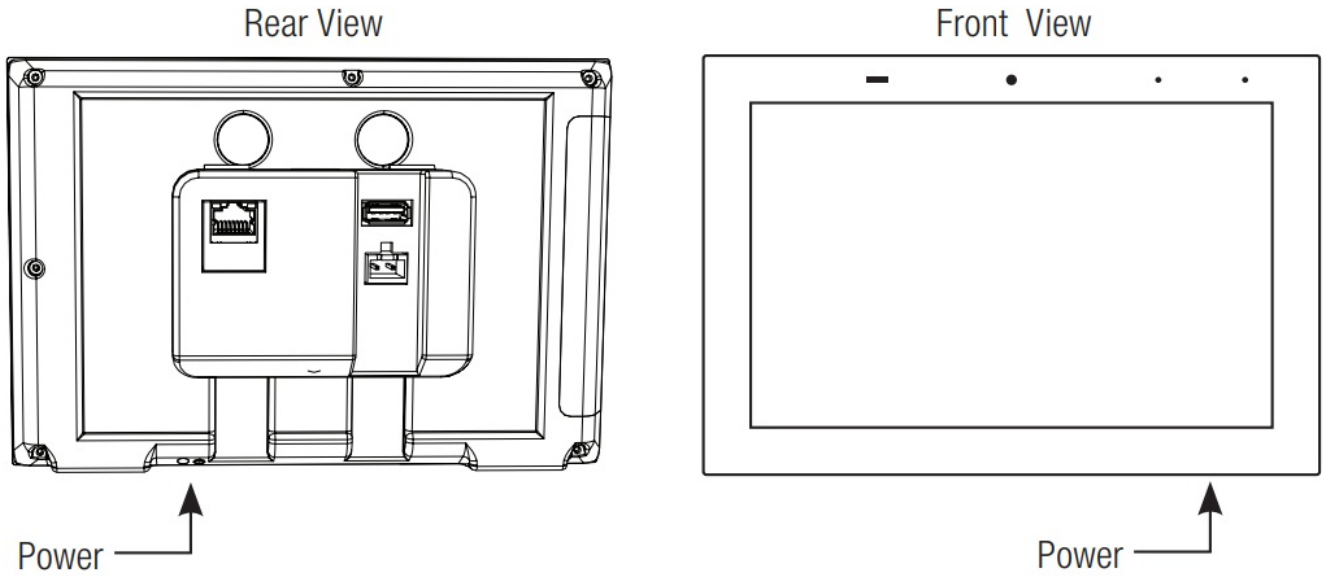
CAUTION: DO NOT PRESS DIRECTLY ON THE SCREEN

When installing on to the mounting bracket. Press only on the frame and take care not to use too much force.



Step 2

- **Powering Up the ITP2-8**



Apply power (12V DC or PoE) and wait for the unit to boot up. If connected to a wired Ethernet switch the ITP2-8 will acquire a network address via DHCP and automatically connect to the system.
If the ITP2-8 does not detect a wired Ethernet connection and the WiFi radio has not been configured, you will need to set up the wireless connection. In the setup menu select the wireless connection and follow the on-screen instructions to set up the wireless connection. For wireless setup, see Section 3 – Startup Settings.

Startup Settings

Step 3

After applying power to the ITP2-8, un-check the Auto Start check-box then tap the

Configure button.

From here, you will see the Startup options:

a. Configure WiFi

To use WiFi, check the Enable WiFi box, select the SSID and enter the password.

b. Orientation Setup

Configure whether the panel will be installed in portrait or landscape mode. Note: The ITP2-8 is optimized for use in landscape mode.

c. Camera Enable / Disable

The ITP2-8 camera can be enabled or disabled. When disabled, the panel will not transmit video but can still be used for face recognition.

d. Proximity Sensor Sensitivity

Adjust the sensitivity of the proximity sensor to wake up the panel.

e. Controller Binding

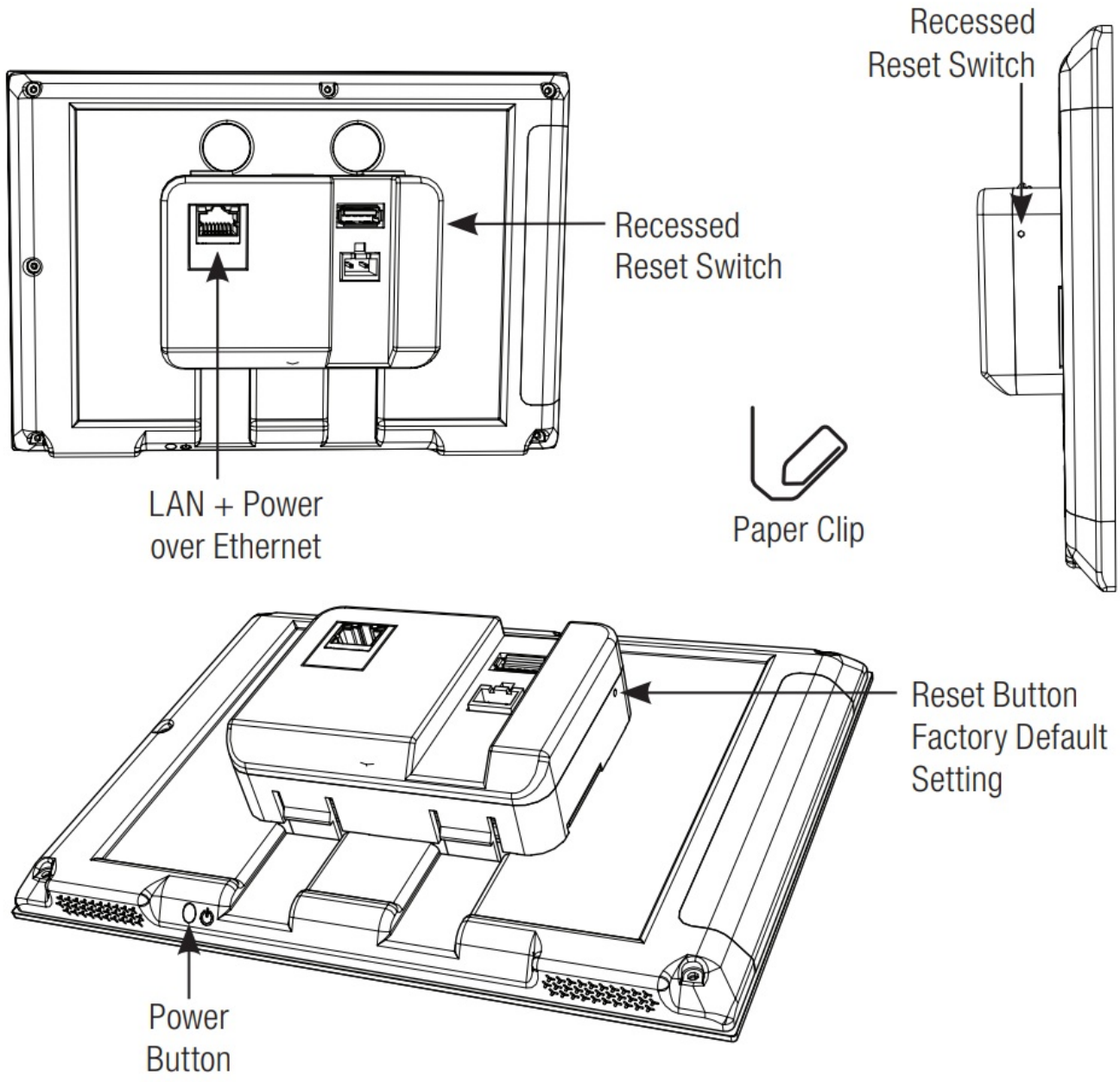
If more than one controller is used on the same network, specify which controller the ITP2-8 should be assigned to.

Reset

Step 4

The recessed RESET button has two functions. Press and hold the button for 3 seconds to reset the panel settings.
With the unit powered off, press and hold the button then power the unit on to reset to the factory default configuration.

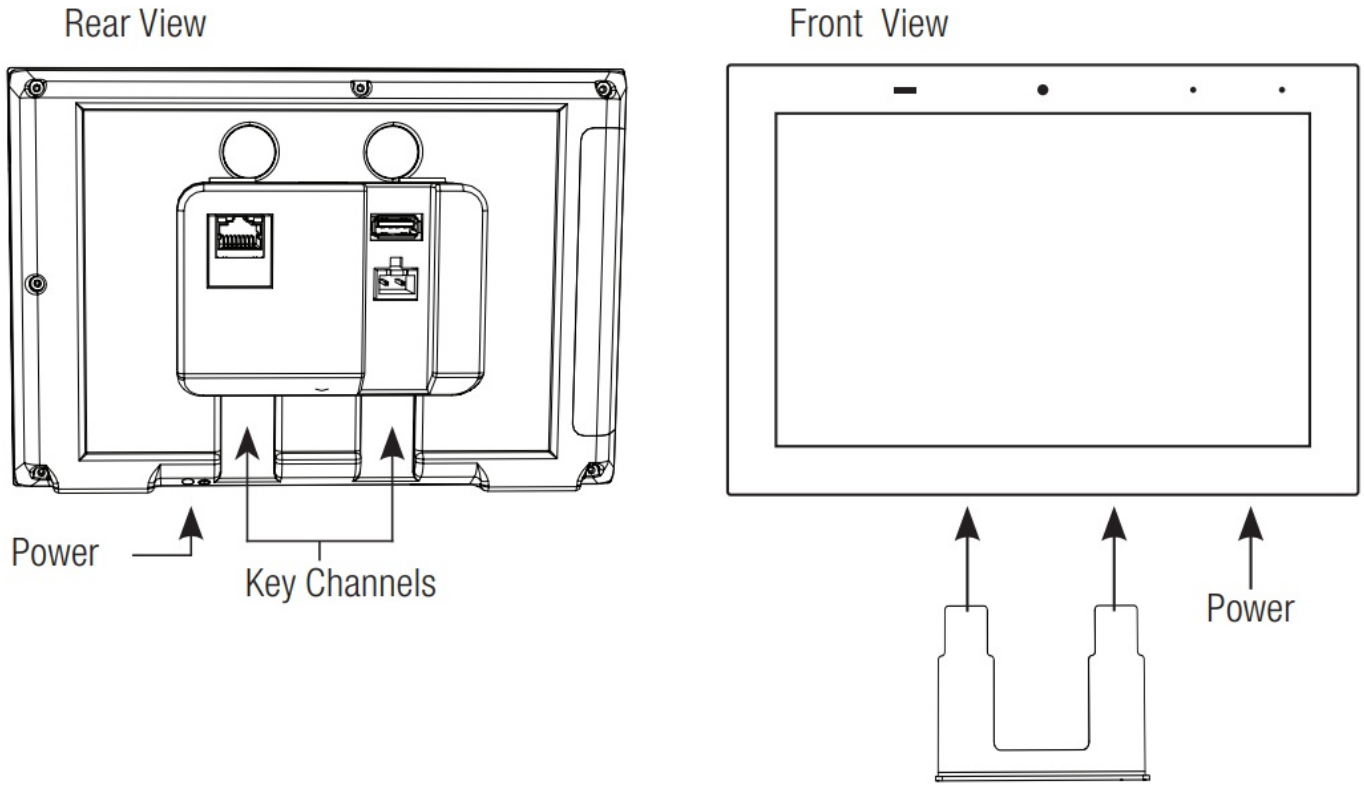
CAUTION: Neither of these actions can be reversed.



Removing the ITP2-8

- **Step 5**

Slide the removal key behind the panel taking care to insert in the key channels on the rear of the panel and avoid making contact with the wall. Press up on the removal key to release the locking tabs. Once unlocked, pull the bottom of the panel away from the wall, then pull out.



Limited Warranty

Nice North America LLC warrants the ITP2-8 to be free from defects in materials and workmanship for the period of two years (2 years) from the date of purchase. If within the applicable warranty period above purchaser discovers that such item was not as warranted above and promptly notifies Nice in writing, Nice shall repair or replace the item at the company's option. This warranty shall not apply (a) to equipment not manufactured by Nice, (b) to equipment which shall have been installed by other than a Nice authorized installer, (c) to install equipment which is not installed to Nice's specifications, (d) to equipment which shall have been repaired or altered by others than Nice, (e) to equipment which shall have been subjected to negligence, accident, or damage by circumstances beyond Nice's control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or other catastrophic events beyond Nice's control, or to improper operation, maintenance or storage, or to other than normal use of service. With respect to equipment sold by, but not manufactured by Nice, the warranty obligations of Nice shall in all respects conform to the warranty actually extended to Nice by its supplier. The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation or other expenses which may be incurred in connection with repair or replacement. Except as may be expressly provided and authorized in writing by Nice, Nice shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured by Nice or services rendered by Nice.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES EXCEPT WARRANTIES OF TITLE, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

ATTENTION: To Our Valued Customers

To ensure that customers obtain quality pre-sale and after-sale support and service, Nice North America products are sold exclusively through authorized dealers. Nice North America products are not sold online. The warranties

on Nice North America products are NOT VALID if the products have been purchased from an unauthorized dealer or an online E-tailer. To determine if your Nice North America reseller is authorized, please call Nice North America at 800-421-1587.

Technical Support:
800-421-1587

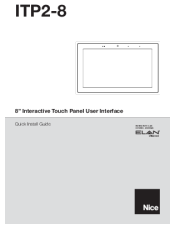
Technical Support Hours:
Monday – Friday, 6am – 4pm PST

Nice North America

c/o Customer Service 5919 Sea Otter Place, Suite 100 Carlsbad, CA 92010

- Niceforyou.com

Documents / Resources

	ELAN ITP2-8 Interactive Touch Panel [pdf] User Manual ITP2-8 Interactive Touch Panel, ITP2-8, Interactive Touch Panel, Touch Panel, Panel

References

- Nice North America - Home Automation Systems

- **User Manual**