

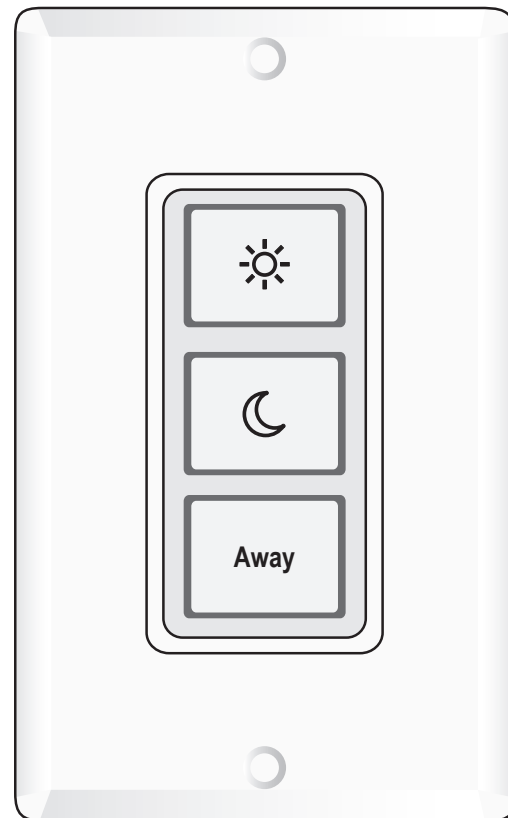
1 Information Brochure Choose controls to match application	2 Application Brochure Design your mechanical applications	3 Rough In Wiring Rough-in wiring instructions	4 Wiring Brochure Wiring and installation of specific control	5 Data Brochure Control settings and sequence of operation	6 Job Record Record settings & wiring details for future reference
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Introduction

The User Switch 479 has 3 buttons that allow users to easily change between scenes.

Features

- tN4 Compatible
- 3 User buttons



Decora cover plate not included

Table of Contents

Table of Contents.....	2
Sequence of Operation.....	2
Applications	3
Error Messages	3

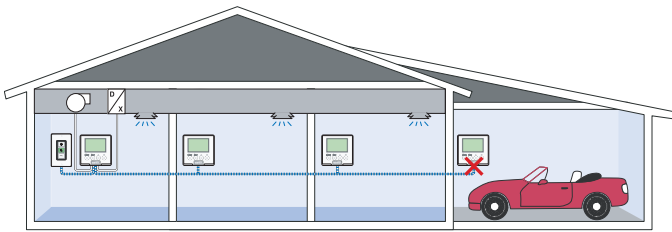
Cleaning the User Switch	4
User Button Label Template	4
Warranty	4

Sequence of Operation

Three User Buttons

The User Switch provides users with a simple interface to change the operating scene of the tN4 system.

Each of the 3 User Buttons is programmed to select a particular scene on the tN4 system. The temperature of each tN4 thermostat in the system is pre-programmed by the installer for each of the scenes. This allows users to change the temperature of all the thermostats using a single button.



tN4 thermostats must have Scenes turned to “On” in order to respond to scene changes on the User Switch.

When a User Button is pressed, the green LED under that button turns on and remains on until a new scene is selected.

When the current selected scene on the tN4 network is the same as the scene that the User Button is programmed for, the button turns green.

When a selected scene is “On” and that User button is pressed again, the scene is changed based on the following table:

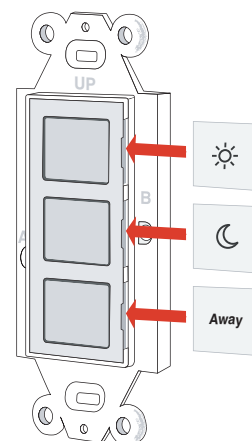
Current Scene	Press the Same Button	New Scene
Perm Scene 1	→	No Change
Perm Scene 2 - Away	→	Selects Scene 1
Perm Scene 3 - Unoccupied	→	Selects Scene 1

Included with the User Switch are labels to identify the operation of each User Button. Each label has a description on it. Choose the label with the appropriate description for each button.

A template has been included on the back page to create your own labels.

Insert the label into the slot located under the right hand side of each User Button.

Repeat for each User Button.



Applications using Multiple User Switches

Multiple User Switches can be used together when:

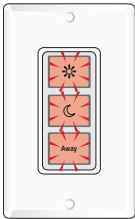
- 1) For convenience, User Switches are required at different locations.
- 2) Scenes other than the three pre-programmed scenes in the 479 are required. In this case, a 480 or 481 User Switch can be added.

Each tN4 bus cannot exceed 24 devices. Devices include thermostats, setpoint controls, mixing expansion modules, and user switches.

When using multiple User Switches at the same location, they can be installed adjacent to each other in the same switch box.

Error Messages & Troubleshooting

Error Messages

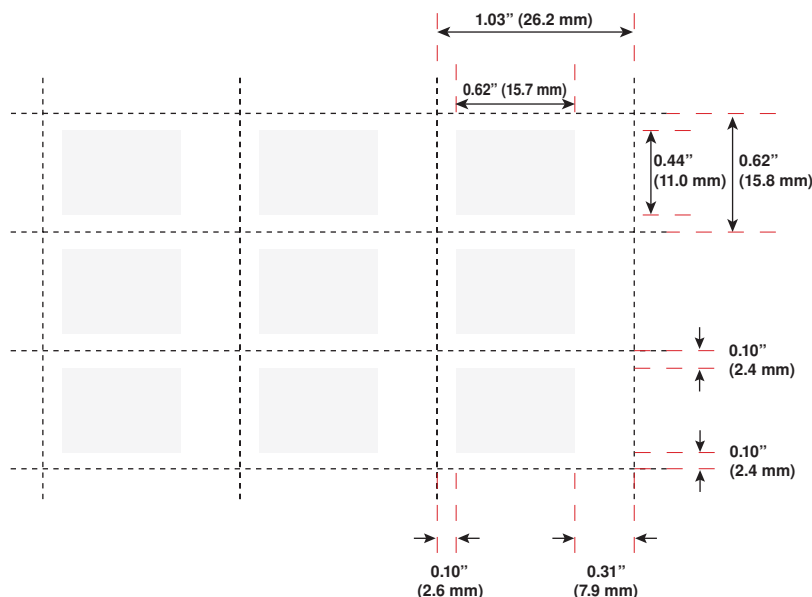
Symptom	Cause	Corrective Action
3 Buttons Flashing Red 	User Switch disconnected from tN4 bus.	• Check tN4 and common wires for loose wire connections. • Ensure the tN4 controls have power. • Check R and C wires for correct polarity.

Cleaning the User Switch

The User Switch's exterior can be cleaned using a damp cloth. Moisten the cloth with water and wring out prior to wiping the device. Do not use solvents or cleaning solutions.

User Button Label Template

1. Download the User Switch Data Brochure PDF file D479.pdf from the Downloadable Literature Section on our tekmar website: <http://www.tekmarcontrols.com> to your computer.
2. Click on the grey area (text field) and type the label description.
3. Print this page onto transparency film. Ensure the correct transparency film type is used for either laser printers or bubble-jet printers.



Limited Warranty and Product Return Procedure

Limited Warranty The liability of tekmar under this warranty is limited. The Purchaser, by taking receipt of any tekmar product ("Product"), acknowledges the terms of the Limited Warranty in effect at the time of such Product sale and acknowledges that it has read and understands same.

The tekmar Limited Warranty to the Purchaser on the Products sold hereunder is a manufacturer's pass-through warranty which the Purchaser is authorized to pass through to its customers. Under the Limited Warranty, each tekmar Product is warranted against defects in workmanship and materials if the Product is installed and used in compliance with tekmar's instructions, ordinary wear and tear excepted. The pass-through warranty period is for a period of twenty-four (24) months from the production date if the Product is not installed during that period, or twelve (12) months from the documented date of installation if installed within twenty-four (24) months from the production date.

The liability of tekmar under the Limited Warranty shall be limited to, at tekmar's sole discretion: the cost of parts and labor provided by tekmar to repair defects in materials and/or workmanship of the defective product; or to the exchange of the defective product for a warranty replacement product; or to the granting of credit limited to the original cost of the defective product, and such repair, exchange or credit shall be the sole remedy available from tekmar, and, without limiting the foregoing in any way, tekmar is not responsible, in contract, tort or strict product liability, for any other losses, costs, expenses, inconveniences, or damages, whether direct, indirect, special, secondary, incidental or consequential, arising from ownership or use of the product, or from defects in workmanship or materials, including any liability for fundamental breach of contract.

The pass-through Limited Warranty applies only to those defective Products returned to tekmar during the warranty period. This Limited Warranty does not cover the cost of the parts or labor to remove or transport the defective Product, or to reinstall the repaired or replacement Product, all such costs and expenses being subject to Purchaser's agreement and warranty with its customers.

Any representations or warranties about the Products made by Purchaser to its customers which are different from or in excess of the tekmar Limited Warranty

are the Purchaser's sole responsibility and obligation. Purchaser shall indemnify and hold tekmar harmless from and against any and all claims, liabilities and damages of any kind or nature which arise out of or are related to any such representations or warranties by Purchaser to its customers.

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Product Warranty Return Procedure All Products that are believed to have defects in workmanship or materials must be returned, together with a written description of the defect, to the tekmar Representative assigned to the territory in which such Product is located. If tekmar receives an inquiry from someone other than a tekmar Representative, including an inquiry from Purchaser (if not a tekmar Representative) or Purchaser's customers, regarding a potential warranty claim, tekmar's sole obligation shall be to provide the address and other contact information regarding the appropriate Representative.



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