tekmar® - Data Brochure

tekmarNet®4 User Switch 479

tN4 →

D479
05/07

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

Introduction

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

Features

- tN4 Compatible
- 3 User buttons
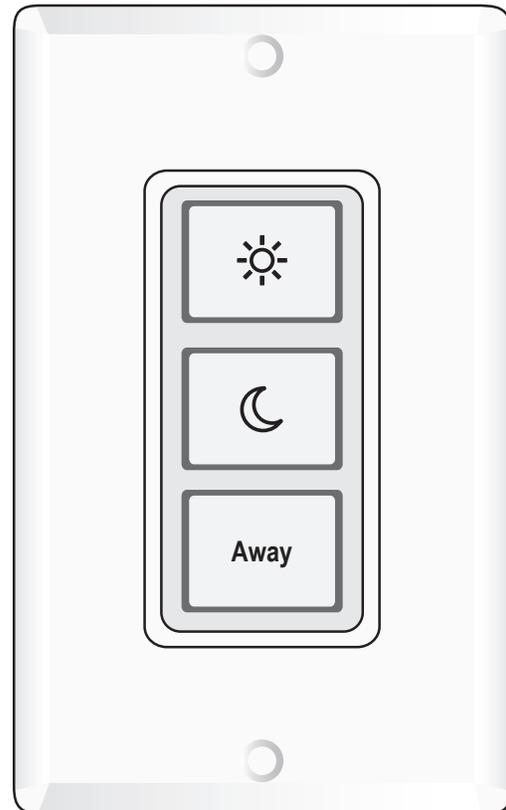
Decora cover plate not included

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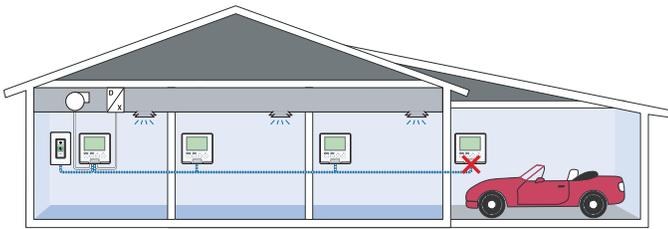
tN4 thermostats must have Scenes turned to "On" in order to respond to scene changes on the User Switch.

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.
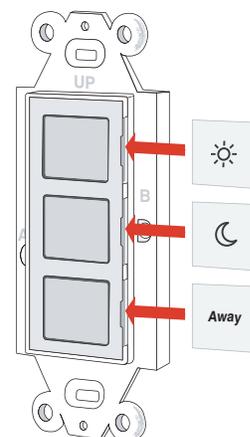
Applications using Multiple User Switches

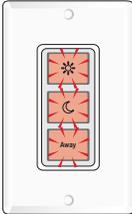Multiple User Switches can be used together when:

1) For convenience, User Switches are required at different locations.

2) Scenes other than the three pre-programmed scenes in the 479 are requried. 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
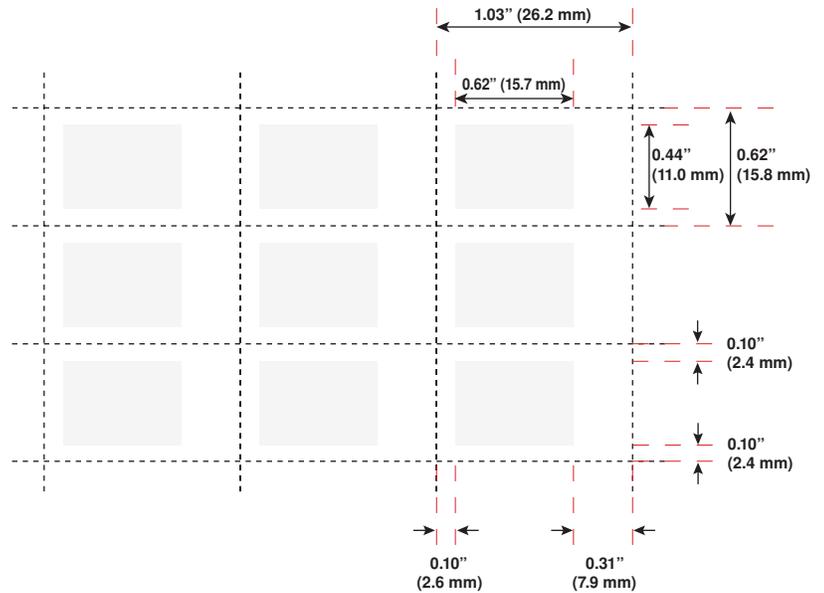
Error Messages

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.

1.03" (26.2 mm)
0.62" (15.7 mm)
0.44" (11.0 mm)
0.62" (15.8 mm)
0.10" (2.4 mm)
0.10" (2.4 mm)
0.10" (2.6 mm)
0.31" (7.9 mm)

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