tekmar® Submittal
tekmarNet® 4 User Switch 481
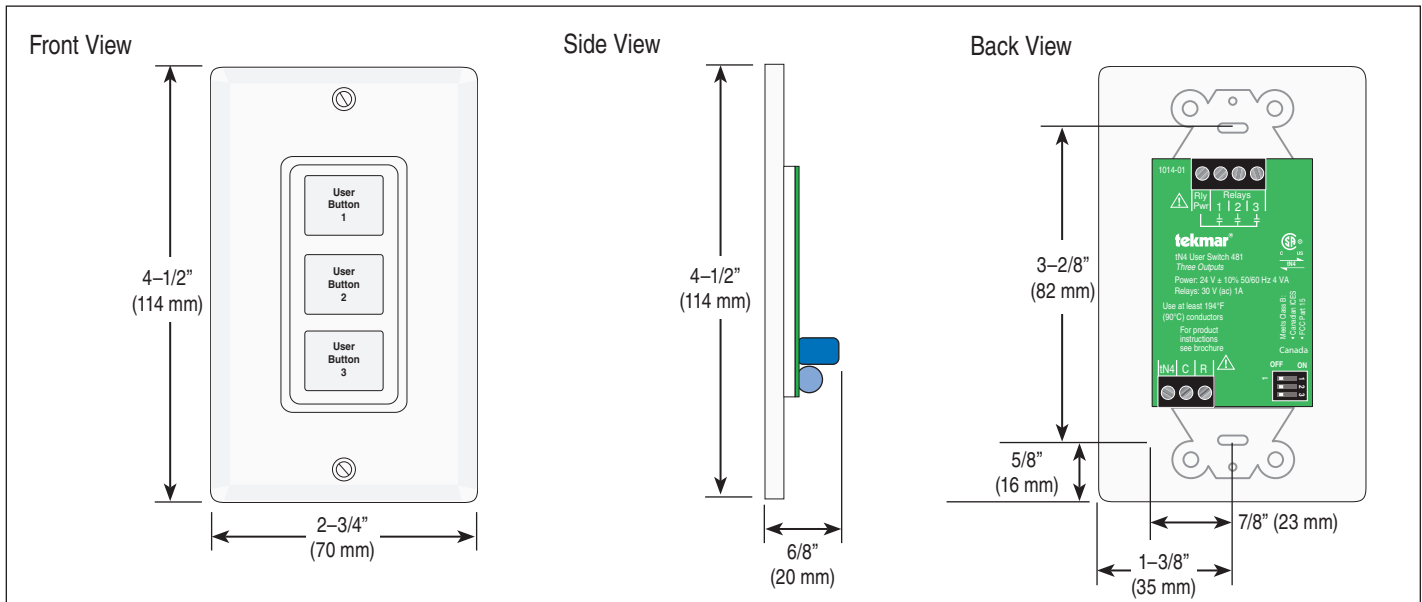
Job _____   Designer _____   Contact _____

The tekmarNet® 4 User Switch 481 is a simple 3 button switch that provides an easy way to override system temperatures. With the push of a button one can put all thermostats and boiler controls into an "unoccupied" or "away" state and take advantage of saving energy when the building is not being used. The buttons on this product are also programmable, allowing the user to experience scenes within their system. The 481 has three output relays that can connect to alert, paging, or home automation systems.

Front View · Side View · Back View

Specifications

tN4 User Switch 481 *Three Outputs*	
Literature	D481, W481, J481, U481
Packaged weight	0.5 lb. (230 g)
Dimensions	4.5" H x 2.75" W x 0.8" D (104 x 43 x 20 mm)
Enclosure	White PC+ABS plastic
Approvals	CSA C US, meets Class B: ICES & FCC Part 15
Ambient conditions	Indoor use only, 32 to 113°F (0 to 45°C), RH ≤92% to 104°F (40°C), and 50% above 104°F (40°C), Altitude <9840 ft. (3000 m), Pollution Degree 2
Power supply	24 V (ac) ± 10%, 50/60 Hz, 4 VA
Relays	30 V (ac) 1 A
Warranty	Limited 3 Year (See D481 for full warranty)

Features

- tekmarNet® 4 and tekmarNet® 2 compatible
- 3 Programmable user buttons
- One touch system overrides
- Setback up to 96 thermostats with one button
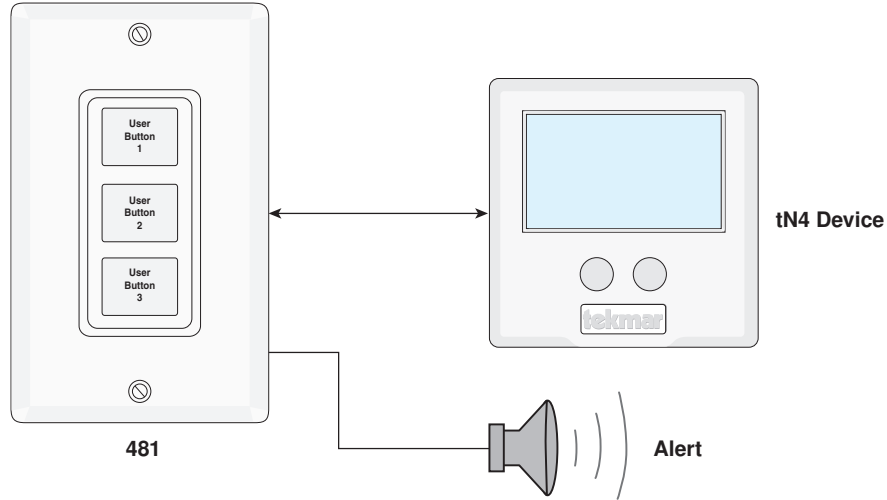- Relay outputs for signalling external controls

SPECIAL REQUIREMENTS

This product is designed for, and only works with tekmarNet® thermostats.

Sample Application Drawing

Below is a sample application drawing for this product. This application may include other tekmar products that are required for installation. More sample applications can be found at www.tekmarcontrols.com.

Sample Mechanical diagram

User Button 1

User Button 2

User Button 3

481

tN4 Device

Alert

Sample Electrical diagram

Alert

1014-01

⚠ | Rly Pwr | Relays
1 | 2 | 3

tekmar®

tN4 User Switch 481
Three Outputs
Power: 24 V ± 10% 50/60 Hz 4 VA
Relays: 30 V (ac) 1A

Use at least 194°F
(90°C) conductors

For product
instructions
see brochure

Meets Class B:
• Canadian ICES
• FCC Part 15

Canada

tN4 | C | R | ⚠

OFF   ON
1   2   3

tN4 | C | R | W

Any tN4 Device