tekmar® Submittal

tekmarNet® 4 Gateway 483
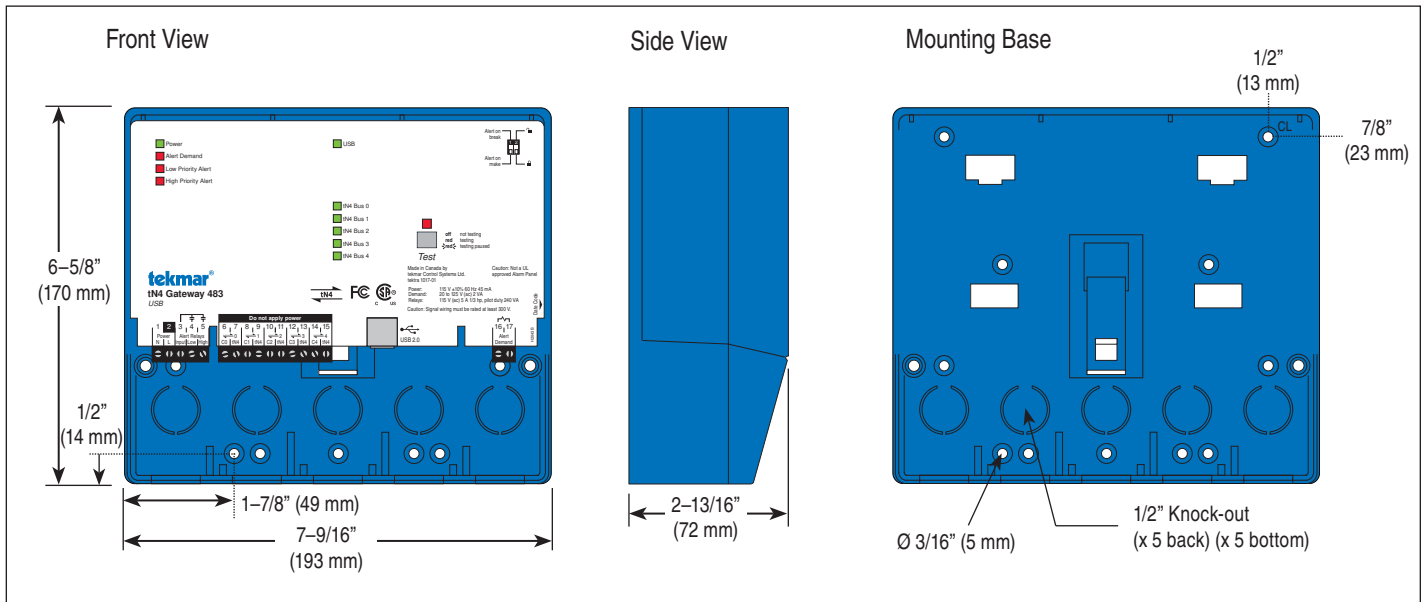
Job _____   Designer _____   Contact _____

The tekmarNet® 4 Gateway 483 allows remote access to tekmarNet® compatible controls through a computer web browser such as Internet Explorer®, Firefox®, Safari®, or mobile device browsers. Access can be either direct, through a local area network, or through the Internet. This product allows temperature adjustment of thermostats and setpoint controls, monitoring of system temperatures and run-times, adjustment of setback schedules and overrides as well as the graphing of trends of any of these parameters.

Front View   Side View   Mounting Base

Specifications

tN4 Gateway 483 *USB*	
Literature	D483, D483A, W483, J483, P036 (CD)
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	3.6 lb. (1600 g)
Enclosure	blue PVC plastic, NEMA type 1
Dimensions	6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)
Approvals	CSA C US, meets Class B: ICES & FCC Part 15
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), 9842 feet (3000 m) maximum altitude
Power supply	115 V (ac), 60 Hz, 45 mA
Relays	115 V (ac), 5 A 1/3 hp, pilot duty 240 VA
Demands	20 to 125 V (ac) 2 VA
Warranty	Limited 3 Year (See D483 for full warranty)

Features

- Monitor and adjust temperatures from anywhere there is an internet connection
- Adjust schedules
- Adjust and activate scenes
- Activate setpoint controls
- Low and high level alert contacts
- Alert demand input
- No annual fees required
- E-mail status reports and alerts
- Free software updates available for download from www.tekmarcontrols.com
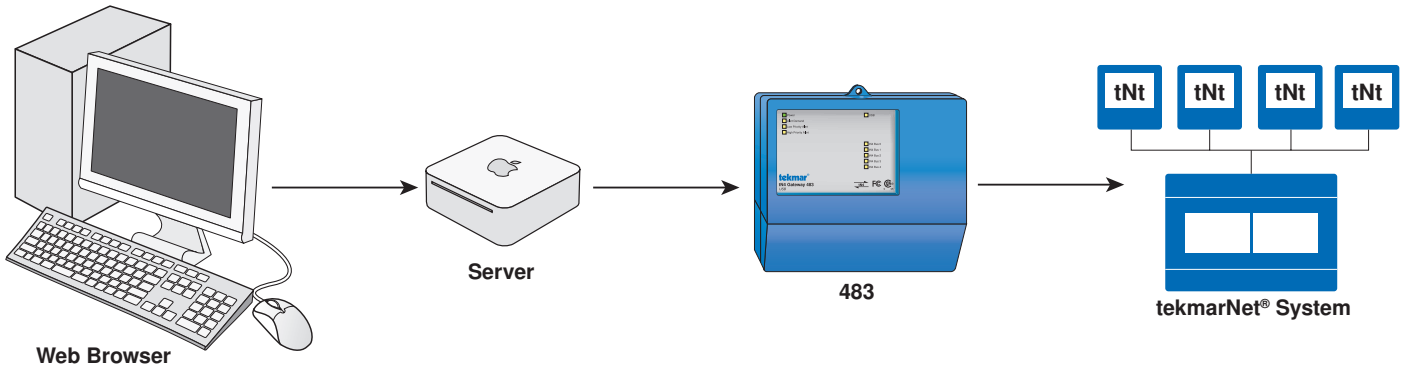- Apple Mac® OS X® computer required

SPECIAL REQUIREMENTS

Apple Mac® OS X® computer and internet connection at site required for data capture and web display of information.
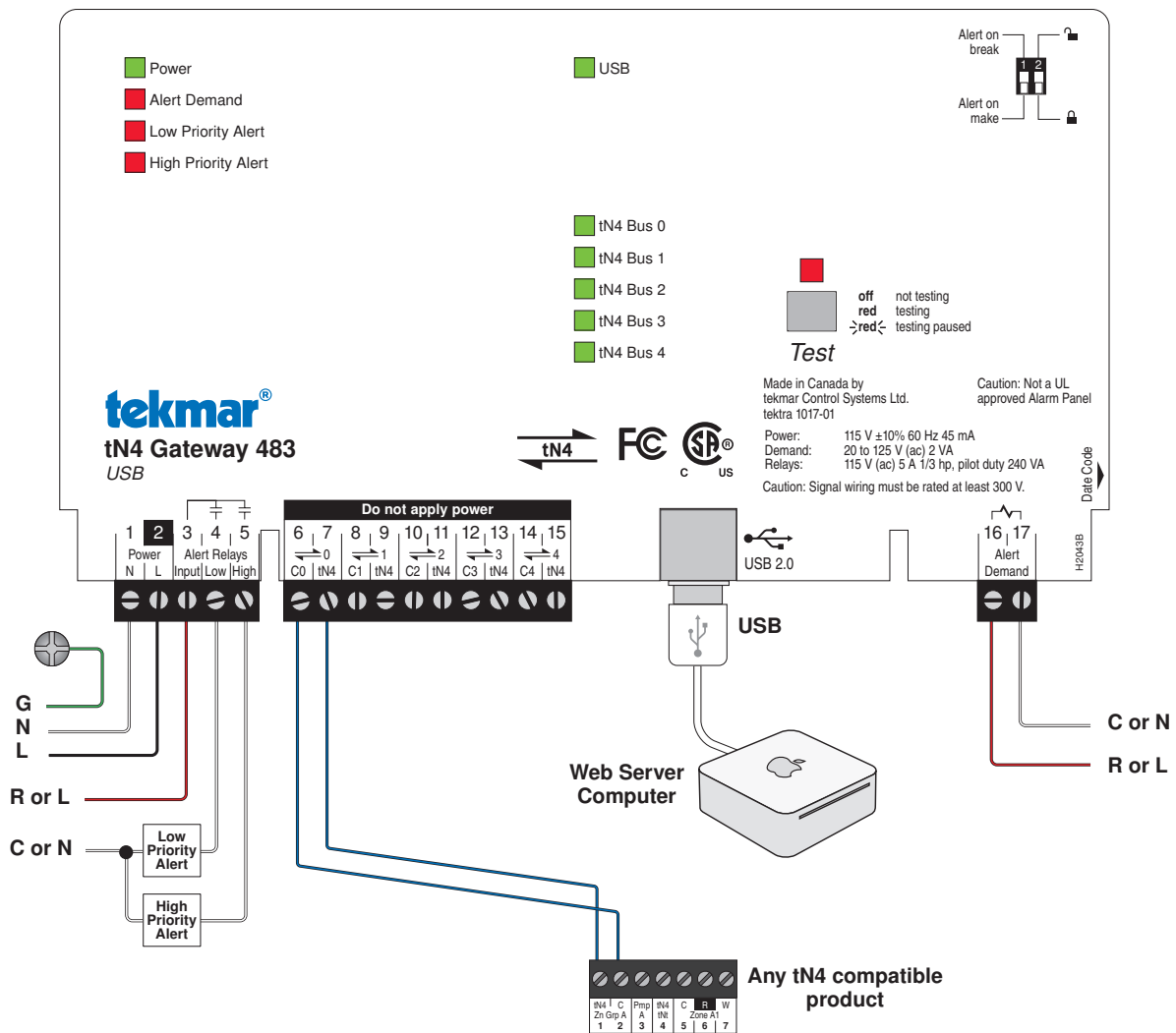
Sample Application Drawing

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

Web Browser → **Server** → **483** → **tekmarNet® System**

Sample Electrical diagram

- Power
- Alert Demand
- Low Priority Alert
- High Priority Alert

USB

Alert on break
Alert on make

tN4 Bus 0
tN4 Bus 1
tN4 Bus 2
tN4 Bus 3
tN4 Bus 4

off	not testing
red	testing
red	testing paused

Test

Made in Canada by
tekmar Control Systems Ltd.
tektra 1017-01

Caution: Not a UL approved Alarm Panel

Power: 115 V ±10% 60 Hz 45 mA
Demand: 20 to 125 V (ac) 2 VA
Relays: 115 V (ac) 5 A 1/3 hp, pilot duty 240 VA

Caution: Signal wiring must be rated at least 300 V.

tekmar®
tN4 Gateway 483
USB

Date Code

H2043B

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		16	17
Power		Alert Relays			C0	tN4	C1	tN4	C2	tN4	C3	tN4	C4	tN4		Alert	Demand
N	L	Input	Low	High	0		1		2		3		4				

Do not apply power

USB 2.0

USB

G
N
L

R or L

C or N

Low Priority Alert

High Priority Alert

Web Server Computer

C or N

R or L

Any tN4 compatible product

tN4	C	Pmp	tN4	C	R	W
Zn Grp A		A	tNt		Zone A1	
1	2	3	4	5	6	7

tekmar®
Control Systems

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All specifications are subject to change without notice. Printed in Canada. C 483 - 01/11.