National's TIMEWiSE™ family of devices can create a network of clocks, chimes, class change countdown timers, elapsed timers and other input/output devices using your existing WiFi infrastructure.   While these devices can function autonomously and be scheduled for events through their individual web pages, this LAN based device server brings your system to the next level. The TIMEWiSE™ Scheduler and Time Supervision Server can function as the "check-in" server for all of your TIMEWiSE™ devices on your network. The connection status and last check-in information is displayed through a standard web browser. Also, the WiFi signal strength at each device is listed allowing your IT department to map the wireless coverage and monitor access point function and e-mails can be sent directly to the appropriate personnel.

As a Time Server, this device will act as a single point connection to an internet or local time authority and synchronize all TIMEWiSE™ devices decreasing network traffic.

This device server also creates an event scheduler for your entire TIMEWiSE™ system. Create up to 32 "virtual" circuits of nearly unlimited devices simplifying event programming.

The (-R) versions include two programmable relay contacts to activate local circuits such as PA system, tones or wired bell circuits. The hard-wired (-HW) versions allow mounting to a standard electrical box to simplify line voltage installations.

All of National's LAN based master clocks can also perform all of these functions, this unit is simply the smallest, most cost effective solution.

MC-TW-LAN

MC-TW-LAN-R-WT

Small footprint mounts anywhere

Built-in Web server means no software to install

Supervises TIMEWiSE™ device WiFi connections

Synchronize time with NIST Standard

Functions as time server for TIMEWiSE™ devices

Holds 20 schedules of up to 500 events each

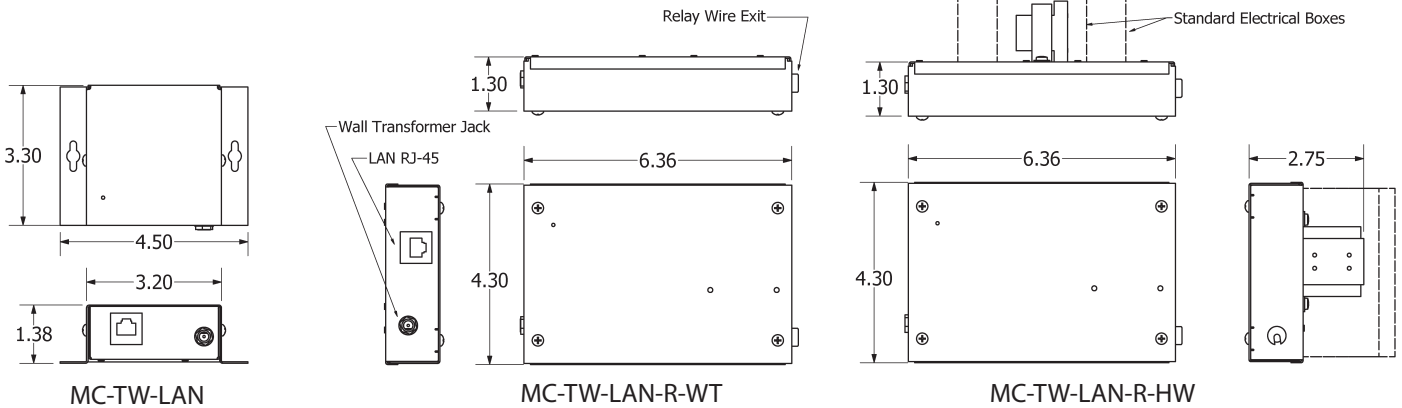Program schedule change events for future dates
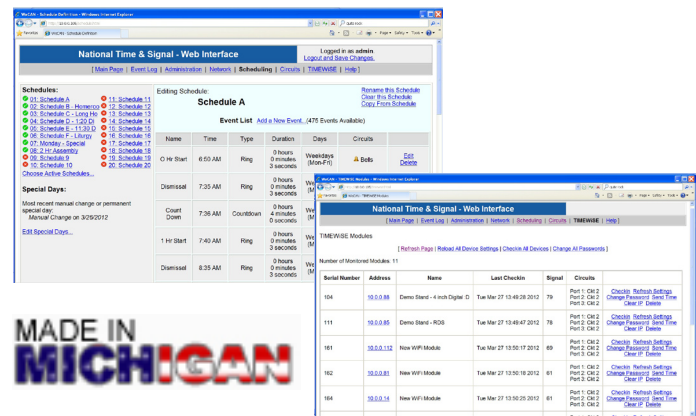
LAN 10baseT 10/100 connection

Relay

Installation

Mounts anywhere a network outlet is available. No installation necessary, simply plug the included wall transformer into any 120VAC outlet.

Relay Output version (-R) includes 2 Form C contacts. Relay wiring may exit the side of the enclosure or the back into a standard electrical box.

Hard wired version (-HW) replaces the wall transformer with a transformer that protrudes into Standard electrical boxes: 4 square, 2-Gang, Handy Box.

Relay Wire Exit

Standard Electrical Boxes

Wall Transformer Jack

LAN RJ-45

1.30   1.30

3.30

4.50

3.20

1.38

6.36   6.36   2.75

4.30   4.30

MC-TW-LAN   MC-TW-LAN-R-WT   MC-TW-LAN-R-HW

Easy to use web page is served directly from device so that no server or PC software needs to be installed on site. All events and settings are saved in flash memory for maximum durability.

Program up to 20 schedules of 500 events each. Any number of schedules can be running simultaneously for maximum flexibility. Hard-wire outputs and TIMEWiSE™ outputs can be divided in to 32 different circuits and any number of circuits can be activated in a single event. Program Special Events that can automatically change the active schedules on any calendar date in the future. Holidays, half days, alternate days, etc. can be programmed years in advance.

MADE IN MICHIGAN

Specifications

Input Power: 120VAC 50/60Hz; 0.030A max.

-WT includes wall transformer wth 6' cable; -HW includes integral transformer

Relay Version: (2) SPDT 10A@120VAC; 7A@30VDC Resistive

LAN: 10/100MBit auto negotiating; TCP/IP; DNS; DHCP; SNTP; TIME; HTTP; FTP protocols supported.

Time Servers: Configure Internet time servers or local SNTP servers. Steel Case with Black paint.

Ordering Information

Part No.	Description
MC-TW-LAN	TIMEWiSE™ LAN Scheduler & Time Supervision Server with Wall Transformer
MC-TW-LAN-R-WT	TIMEWiSE™ LAN Scheduler & Time Supervision Server with Wall Transformer and Relay Outputs
MC-TW-LAN-R-HT	TIMEWiSE™ LAN Scheduler & Time Supervision Server with Hard-Wired Transformer and Relay Outputs

Related Products with TIME-WiSE™ Server capabilities:

ET-MC   ET-MCU   We-MC3   We-NC   WeM-MC100