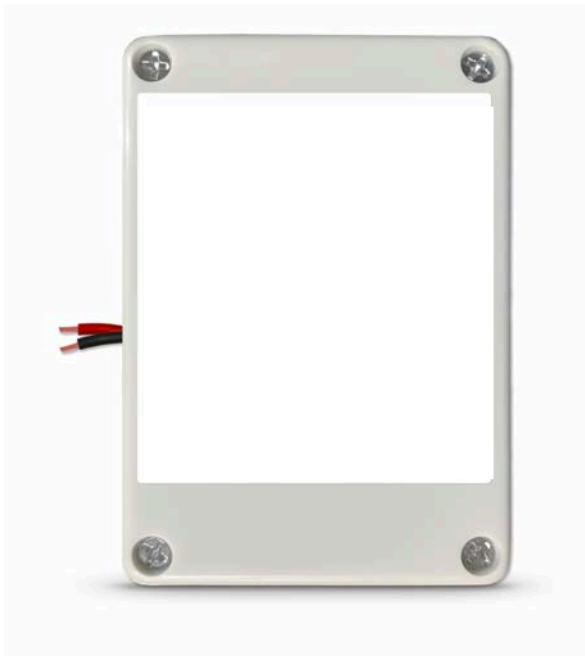


# Network Time Manager



HVIN: AVI-B-NTM-12-24VDC

## Stay in time with Avi-on

Avi-on's Timekeeper provides 10 year battery back up time sync to Avi-on networks. Simply provide 12V power, and install within a fixture, electrical back box, or any other place within range of the overall mesh network, and the Timekeeper will ensure the network devices are synchronized to current time whenever powered/online.

## Features

### Easy Install

Simply install in the network like any other Avi-on device within mesh range of other network devices. Examples include in fixture, electrical back boxes or facility/network closets

### Automated Sunrise/Sunset Updates

The Avi-on App finds your location and automatically sets the internal timekeeper clock to your area, updating sunrise/sunset times throughout the year. Automatically adjusts for leap years, DST, and other changes.

### 12 VDC Power

The Avi-on Timekeeper is powered by 12VDC making it easy to install with an Avi-on Network.

### Battery Backup

The Timekeeper includes a high capacity 10-year lithium battery to keep your network in time through daylight savings changes and unexpected power outages. Maintains time for over 15,000 hours of power outages on a single battery.

To order please contact Avi-on sales at  
**(877) AVION-US**, (877) 284-6687 or  
**[prosales@avi-on.com](mailto:prosales@avi-on.com)**  
 for information on becoming an Avi-on partner and order details.

## Detailed Specifications

### Electrical

11 - 18 VDC Specifications	Min	Max	Unit
Supply Voltage Vin - GND	11	18	V
Operating Current	17	25	mA
Storage Temperature	-40	+85	°C
Ambient Operating Temperature	-30	+85	°C
Outage Hours	15000	-	Hours

### Wire Connections

Signal Name	Wire Color	Description
12/24v+ (PWR)	RED	DC Power Input
GND-	BLACK	DC Ground.

### Case Dimensions (Excluding Wires)

Part	Length (mm)	Width (mm)	Height (mm)
All	84	58	33

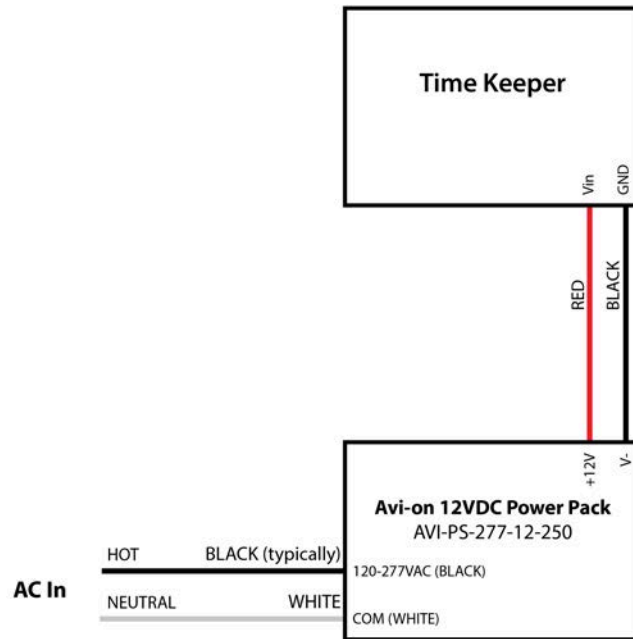
### Wire Dimensions

Part	Length (mm outside of case)
All	150

## Product Diagram

### Avi-on Timekeeper

Installation is simple without the need for an internet connection.



**Figure 1. Timekeeper Wiring Diagram**



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Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

*Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :*

- (1) l'appareil ne doit pas produire de brouillage, et*
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

L'appareil est conforme aux limites d'exposition aux rayonnements spécifiées par la FCC/ISED pour les environnements non contrôlés. La distance entre le radiateur et le corps doit être d'au moins 20 cm lors de l'installation et du fonctionnement de l'appareil.

Cet émetteur ne doit pas coexister ou fonctionner conjointement avec toute autre antenne ou émetteur.