

Avi-on Timekeeper



online.

Stay in time with Avi-on

Avi-on's Timekeeper eliminates the need for a costly and cumbersome gateway, or ongoing internet connection, to keep time schedules running correctly following power outages. Simply provide low voltage power, and install within a fixture, electrical back box, or any other place within range of the overall mesh network, and the Timekeeper's 10-year battery will ensure the network devices are synchronized to current time whenever powered/

Applications

- Office Lighting
- Warehouse Lighting
- Area Lighting
- Retail Lighting
- Outdoor Lighting
- Signage
- Residential Lighting
- Architectural Lighting

Integrations

- Sensors
- Scene Controllers
- Dimmers and Switches
- Wi-Fi with RAB (Alexa Compatible)
- Avi-on app and Ecosystem

Features

Automated Time Sync

The Avi-on App finds your location and automatically sets the internal timekeeper clock to your local time zone. During setup you can manually set how often the Timekeeper syncs time to all of your network devices and easily adjust sync frequency with the Avi-on App.

Simple Mesh Installation

Install within mesh range of other network devices. Examples include in fixture, electrical back boxes or facility/network closets.

12 VDC Power

The Avi-on Timekeeper is powered by 12VDC making it easy to install with an Avi-on Network. It can either hard wired or powered through an optional barrel connector.

Battery Backup

The Timekeeper includes a 10-year lithium battery to keep your network in time through daylight savings changes and unexpected power outages.

Features (cont.)

Daylight Saving/Leap Year

Keep your network in sync through your local daylight saving time changes including leap years.

Compact Size

Timekeepers are only 79mm x 50mm (L x W). They are only 25mm high.

Automatic Schedule Sync

Automatic synchronization of Sunrise/Sunset Schedules specific to your location.

Parts and Ordering

Select a part number from the table listed below.

Part Name	Part Number
Avi-on Timekeeper	55-2000
Avi-on 12VDC Power Pack	25-0400

To order please contact Avi-on sales at
(877) AVION-US, (877) 284-6687 or
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
Short Circuit Output Current (0-10V Outputs)	-	±200	mA
Operating Current	17	250	mA
Output Voltage 0-10V_OUT	-0.24	+11	V
Storage Temperature	-40	+85	°C
Ambient Operating Temperature	-30	+85	°C
Continuous Output Current (Relay Output; +25C)	-	750	mA
Continuous Output Current (Relay Output; +85C)	-	500	mA
Output Current - Pulsed (Relay Output; 25C)	-	10.8	A
Transistor Voltage Drop (Relay Output; ID=1000mA)	-	1.65	V

Wire Connections

Signal Name	Wire Color	Description
GND	BLACK	DC Ground. Multiple BLACK wires are all Common Ground and may be used interchangeably.
Vin	RED	DC Power Input

Case Dimensions (Excluding Wires)

Part	Length (mm)	Width (mm)	Height (mm)
All	79	50	25

Wire Dimensions

Part	Length (mm outside of case)
All	150

Certifications

Regulatory	Description
USA*	FCC: 2AFZI-AV1010 15.207; 15.247(d), (a)(2), (b)(3), (e); 15.203; 15.209/205
EU	E: 0700 Model: AV1010 RoHS (2011/65/EU)
Canada	IC: 20544-AV1010 RSS-247: 8.8, 5.5, 5.2(1)(2), 5.4(4) RSS-Gen
BQB	DID: D031801 Qualified Design ID: 86303

*UL not required, Fixture Adapters are low voltage DC-power devices.

Product Diagram

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Installation is simple without the need for an internet connection.

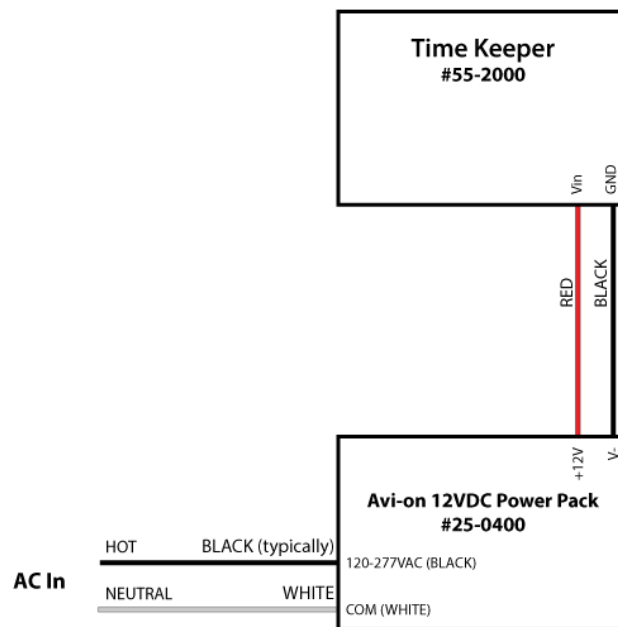


Figure 1. Timekeeper Wiring Diagram



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