Features

General description:
- Dual RS-232 port module with port B dedicated for master clock/master time interface
- RS-232 port A is available for connection to printers, terminals, or other compatible peripherals
- Allows the 4100ES Fire Control Panel system time to be synchronized with the building master time or other desired compatible time reference
- Compatible with 4100U fire alarm control panels
- Includes a 4.5 ft (1.4 m) connection cable with DB-25, RS-232 connector

Master clock interface compatibility:
- Connects to master time control centers such as the model 6400 and 6351 that provide Simplex® BCD (binary coded decimal) time signals to the model 6400-9568 BCD Code Converter**
- For extended timekeeping accuracy, the model 6400 or 6351 Time Control Center can be connected to GPS Time Reference Interface Module GPS/6400**
- Compatible with other RS-232 interfaces that accept and respond to QT (query time) and QD (query date) requests

Mounting:
- Motherboard/daughter card format requires a single slot and mounts in an expansion bay

Description

Simplex fire alarm control panels maintain time and date for reference in the history logs. For applications where a master time control exists in the facility, the 4100-9816 Master Clock Interface Module provides an interface for coordinating the fire alarm control panel time to that of the master reference.

When time accuracy requirements include synchronization to GPS satellite time, the GPS/6400 Interface Module with the GPS-427A Antenna/Receiver can be connected to the model 6400 or 6351 Time Control Center.

For additional information, refer to Installation and Operating Instructions 574-913.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby Current</td>
<td>132 mA @ 24 VDC</td>
</tr>
<tr>
<td>Alarm Current</td>
<td>132 mA @ 24 VDC</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>32°F to 120°F (0°C to 49°C)</td>
</tr>
<tr>
<td>Humidity Range</td>
<td>Up to 93% RH, non-condensing @ 90°F (32°C)</td>
</tr>
<tr>
<td>Mounting</td>
<td>Single slot motherboard/daughter card</td>
</tr>
<tr>
<td>Connections Provided</td>
<td>DB-25 plugs and terminal blocks</td>
</tr>
</tbody>
</table>

* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7165-0026:251 for allowable values and conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Safety Products Westminster.

** For additional BCD Code Converter information refer to data sheet S6400-0002. For additional 6400 information, refer to data sheet S6400-0001. For additional 6351 information, refer to data sheet S6351-0001. For additional GPS/6400 information refer to data sheet GPS6400BRO1.
Press ACK located under flashing indicator. Repeat operation until all events are acknowledged.
Local tone will silence.

Field wiring, 4 wire RS-232 compatible cable, total connection length not to exceed 100 ft (30 m) using 18 AWG wire.

GPS-427A Antenna/Receiver

4100ES Fire Alarm Control Panel (Fire Alarm Network compatible)

Panel mounted Master Clock Interface Module 4100-9816

GPS/6400 Interface Module Option

Connection to 6400/6351 Time Control Center (requires RS-232 Module 6400-9505)

6400/6351 Series Time Control Center with system clocks

Extended BCD clock time signals with time and date required, refer to 6400/6351 Series Time Control Center documentation for details

6400-9568 Code Converter with 6800-9502, 120 VAC Power Supply, required to convert extended BCD input to RS-232 output

RS-232 Cable assembly with 4.5 ft (1.3 m) leads (supplied with 4098-9816); junction box by others

GPS Interface Module Option

GPS-427A Antenna/Receiver

10:09:30

4100-9816 Master Clock Interface System Reference