Model 2310

Optical Asynchronous Bit-Driver® Point to Point

Operation Mode: Asynchronous, half duplex RS-485
Input/Output Interface: Asynchronous at 0 to 56 Kbps (data rate must be set at factory)
Transmission Line Interface: ST connector is standard for interfacing with fiber optic cable (SMA option)
Transmission Distance: 6600 ft. (2 Km)
Optical Power into a 50 Micron Core Optical Fiber: 5 microwatts, 10 dB power budget @ 880 nanometers (High power option)
Receiver Sensitivity: 250 nanowatts at less than 10⁻⁹ bit error rate
Operating Temperature: 0 °C to 50 °C
Enclosure: 19" rack
Card Size: Eurocard 3.9" x 6.8" (9.9 x 7.3 cm)
Weight: 0.5 lb (200 grams)
Termination: Last device on RS-485 bus should be terminated

Features:
- 0 to 56 Kbps asynchronous half duplex operation
- 6600 ft. (2 Km) distance capability
- 0 °C to + 50 °C operating range
- ST connector receptacle (SMA option)
- Designed to work with Johnson Controls System and with S.I.Tech Model 2110
- To be used with bussed motherboard 3520, power supply 4000, and series 3000 rack

Operating Distance for Fiber Optic Cable

<table>
<thead>
<tr>
<th>Fiber Size (Microns)</th>
<th>Attenuation dB/Km</th>
<th>Distance Meters*</th>
<th>Distance Feet*</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>3.0</td>
<td>2000</td>
<td>6600</td>
</tr>
<tr>
<td>62.5</td>
<td>4.0</td>
<td>2000</td>
<td>6600</td>
</tr>
<tr>
<td>100</td>
<td>5.0</td>
<td>2000</td>
<td>6600</td>
</tr>
<tr>
<td>10 SM**</td>
<td>1.0</td>
<td>7000</td>
<td>23000</td>
</tr>
</tbody>
</table>

* High power option available
** Single Mode 1300 nm option

Specifications subject to change without notice.

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