Optical Asynchronous Mini Bit-Driver® Point to Point

**Operation Mode:** Asynchronous, bi-directional, half duplex

**Input/Output Interface:** RS485, 9 pin type D, asynchronous at 0 to 76.8 Kbps** connects directly to terminal (RS485 cable not required)

**Transmission Line Interface:** ST connector is standard for interfacing with fiber optic cable

**Transmission Distance:** See distance chart

**Optical Power into a 50 Micron Core Optical Fiber:** 0.5 microwatt, 10 dB power budget* @ 880 nanometers - 0.5 nanowatts at less than 10^-9 bit error rate

**Receiver Sensitivity:** 0 C to + 50 C operating range

**Operating Temperature:** 0 C to 50 C

**Metal Enclosure:** 1.75 x 3 x 0.625 in (4.5 x 7.5 x 1.6 cm)

**Weight:** 0.25 lb (100 grams)

**Input Power:** External with power supply (S.I. Tech #2121 - 110 VAC to 12 Volt DC)

**230V Version:** Use S.I.Tech 2164 power supply

**Features:**
- 0 to 76.8 Kbps asynchronous, RS-485 half duplex operation
- 6600 ft. (2Km) maximum distance capability
- 0 C to + 50 C operating range
- ST connector receptacle
- Designed to work with 2110-BAC (Bacnet) @ 38.4 Kbps or 2110-BAC(T) @ 76.8 Kbps
- For card version use 2310-BAC
- Cable assembly use 7110
- Data speed set at the factory

**ORDERING INFORMATION**

<table>
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<tr>
<th>Model Numbers</th>
<th>Description</th>
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<tr>
<td>2110-BAC</td>
<td>Bacnet @ 38.4 Kbps, RS-485 to Multimode Fiber, ST</td>
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<tr>
<td>2110-BAC(T)</td>
<td>Bacnet @ 76.8 Kbps, RS-485 to Multimode Fiber, ST</td>
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**Notes:**
1. Power Supply # 2121 is required for all models
2. Power Supply #2164 is for 230VAC applications

*High power option available  ** Single mode option