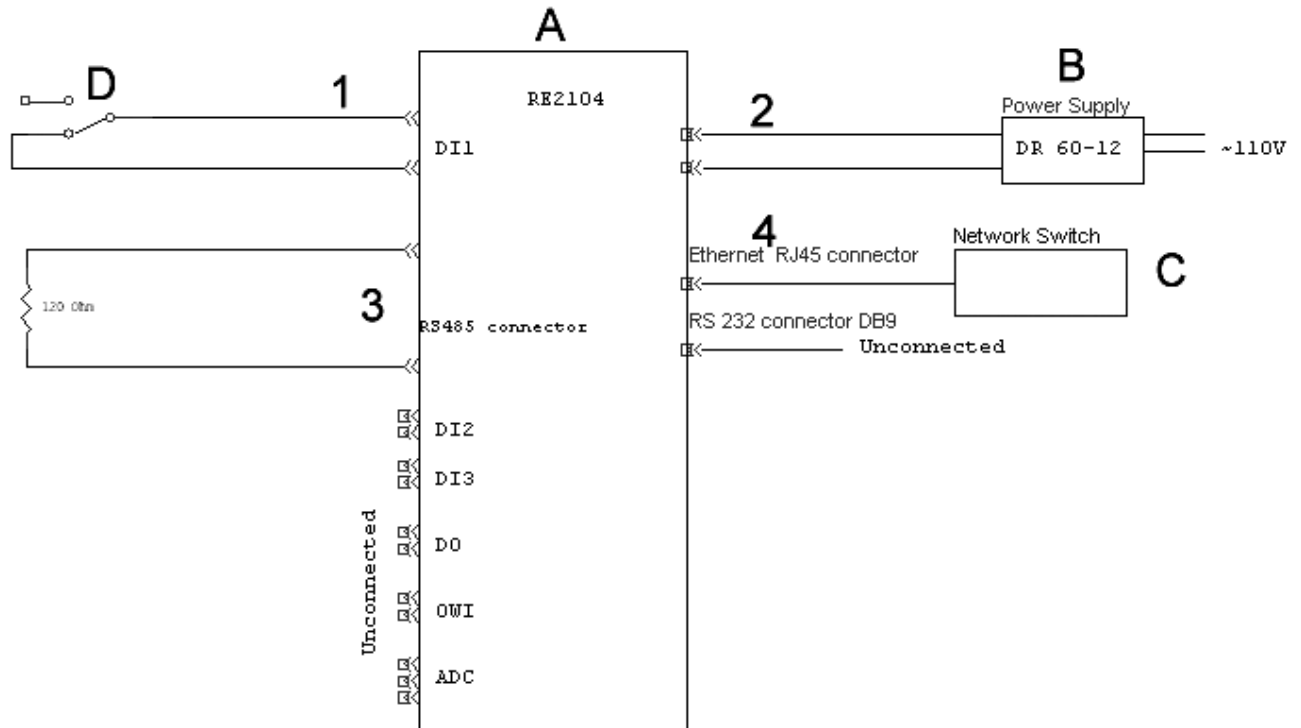




## 2. Specifications

Equipment Type	RE2104 Remote Ethernet Communication Processor & I/O Controller
Baseline Standards and Approvals	FCC Part 15 Class B; IC ICES-003 Issue4 Class B.
Data Retention	During a Power Outage the Current Settings are stored in the EEPROM, FRAM
Power Consumption	1W from 9VDC Power Supply
Control Outputs (DO)	Two normally closed dry contacts
Digital Inputs (DI)	3 x DI, Dry contact inputs
Analog Input (AI)	3 x AI, 4-20mA inputs with 120ohm load resistor
Size	5 x 7 x .75 inches
Weight	.5 lb
Environmental Conditions	<ul style="list-style-type: none"> <li>• Indoor use.</li> <li>• Placement: Wall or Panel Mount</li> <li>• Temperature Range: 0°C to +60°C</li> <li>• Altitude up to 2000m</li> <li>• Maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 95% relative humidity at 40°C</li> <li>• POLLUTION DEGREE 2 in accordance with IEC664</li> </ul>
Temperature Measurement	Range: -10°C to +85°C (13°F to 185°F). Accuracy: ±0.5°C

### 3. RE2104 Wiring



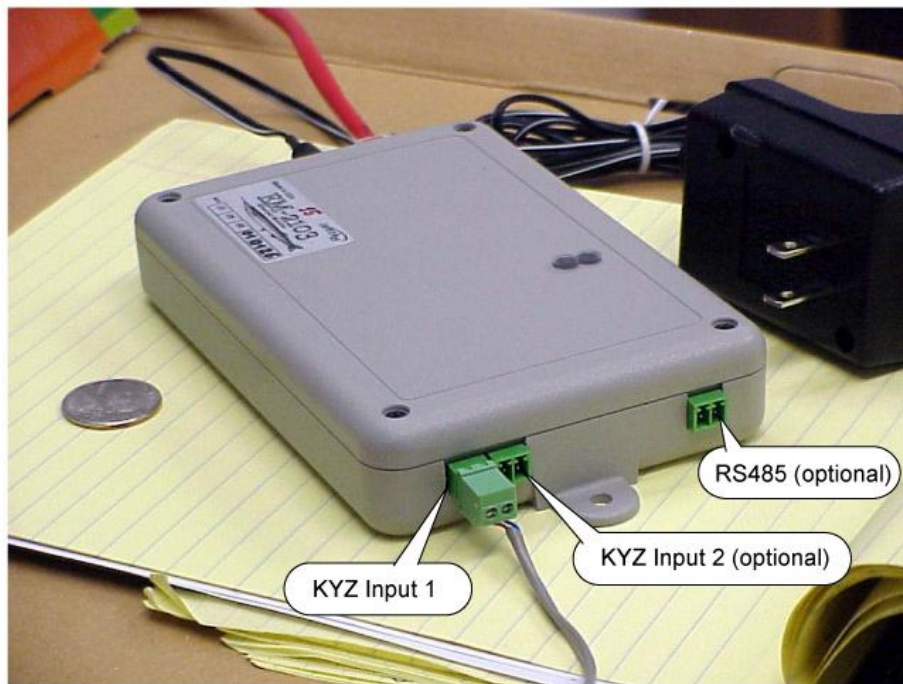
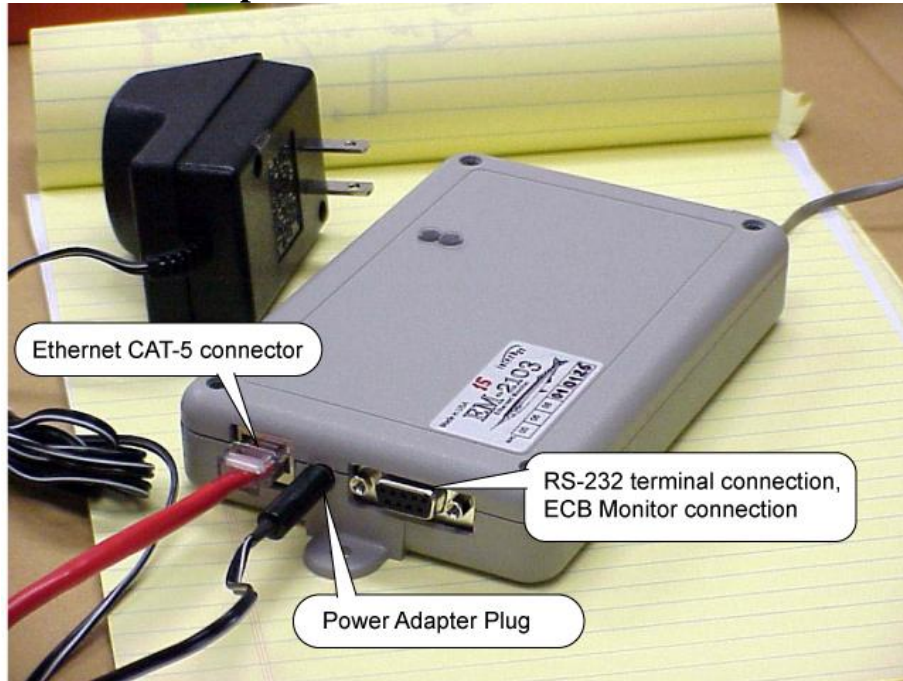
RE-2104 Cables

Ref. ID	Port name on	Cable Description or reason for no cable	Qty	Length as tested (m)	Max Length (m)	Shielded? (Y/N)	Termination Box ID & Port Name
1	Digital Input 1	Two-wire cable	1	1	1	No	DI1
2	DC Power Input	Two-wire cable	1	1	1	No	Power Socket
3	RS-485 Interface	Two-wire twisted pair cable with 120 Ohm Terminating Resistor	1	1	100	No	RS485
4	Ethernet Port	Ethernet CAT-5 patch cable	1	1	1	No	RJ45 Port

Operation during test.

1. When the RE-2104 device is powered, the red Power LED turns ON. This indicates normal CPU functioning.
2. A Network Switch RJ45 LAN port has a Link LED, which should be ON, when it is connected to the RE-2104 Ethernet port. This indicates, that a normal link established between the Switch and the RE-2104.
3. The RE-2104 regularly sends data packets over the RS-485 cable, which must be properly terminated with the 120 Ohm resistor.

### RE2104 visual presentation



### Interconnections inside the metal electrical enclosure

