



MiniPro Enclosure

Encapsulated T1 Repeater Enclosure

A totally self-contained and sealed, multi-environment repeater for those times when an additional T1 circuit is needed in a hurry.

The SPC TelEquip Encapsulated MiniPro™ T1 repeater is not affected by moisture, corrosive atmosphere, heat or cold. The compact size allows for simplified mounting on a pole, below ground, in an existing pedestal, or splice case.

Product Highlights

- Ideal for quick response to service requests in urban and rural areas
- Totally sealed, with 3-element gas tube protection
- Contains a 239A T1 repeater card and a gas tube protector
- Power is provided from a DC current source
- LEDs display PCM signal presence in each direction
- Meets all applicable requirements for OSP telecom enclosures according to:
 - TR-TSY-000056
 - TR-NWT-000078
 - GR-63-CORE
 - GR-487-CORE
 - GR-1361-CORE
 - GR-2834-CORE



Product Specifications

- PULSE CHARACTERISTICS:

Repetition rate	1.544 MHz
Effective bi-polar transmission frequency	772 kHz
Type	bipolar AMI or B8ZS
Period	648 ns
Width	324 ns
Duty Factor	50%
Amplitude	+3.0 ± .3 Volts

- Impedance: INPUT 100 Ohms nominal, balanced at 772 kHz
- Impedance: OUTPUT Designed to drive 100 Ohms balanced span
- Automatic Equalization: Automatic compensation for line loss between 0 dB and -36 dB at 772kHz
- Lightning Protection: Included 1010-01 3-element gas tube protector
- Secondary Lightning Protection: Diode resistor network withstands ± 2500 V / 2x10 ms
- Power Cross Protection: Meets UL 1459 Section 50A which provides power cross protection up to 600 V AC (-01 version only)
- Immunity to 60 Hz AC: Withstands induced 60 Hz current of up to 300 mA at 60 mA DC line current
- Power Requirements: 7.6 ± .4 VDC at 60 mA DC line current: 57 to 150 mA (60 mA nominal)
- Operating Current: DC current is simplexed onto the cable pair. Both regenerators in each repeater are powered by the voltage drop across the power extraction circuit. Repeaters operate at a nominal line current of 60 mA and will operate over a range of 57 mA to 110 mA.
- Humidity: 100%, submersible
- Temperature: -40° to +176° F (-40° to +63° C)
- Model # 1239-01TS (through repeater)
- Model # 1239-01LS (looped repeater)

Dimensions and Weights

- Dimensions: 9.6" L x 3.2" W x 1.0" D
- Weight: Encapsulated repeater 1 lbs. 10 oz
- Weight: Boxed shipping weight 2 lbs. 2 oz.