

LTX-8 LIP PROTOCOL ENCODER

The Firetronix LTX-8 LIP PROTOCOL ENCODER is a utility board that converts the LTX-8 opto-coupler output of connected firealarms to an RS485 datastream having the same protocol as the Local Indication Port (LIP) of an LTX-16. This makes it possible to use the same LIP monitoring equipment for new systems using the LTX-8 as that used for LTX-16 based systems.

Features:

- Encodes SGD, Benecoda and SAFE PFA connections to the LTX-8.
- Uses the isolated opto-coupler interface from the LTX-8, giving complete electrical isolation.
- Led indication for receiving and transmitting data.
- Opto-coupler output activated by ATS "Poll Lost" conditions.

Specification:

- LTX-8 interface: 2 wire proprietary interface, the maximum length to the LTX-8 is 10 meters.
- Powered by the LIP monitoring equipment through the power connections of the RS485 LIP Decoder interface. Power Supply: 12V, 20 mA (normal operation).
- Data output interface: RS485, using the LTX-16 LIP protocol. (Ref.: LTX-16 documentation.) The A and B lines are fused and protected against transient voltages. Twisted pair data cable is recommended; max. length 1 km.
- Poll Lost output: opto-coupler transistor inactive (normal) or active (LTX-8 poll to ATS lost). Ratings: VCEO max.: 80V. DC collector current: 100 mA.

Connection:

1. Connect "LTX8 in" to "Poll Lost" on the LTX-8.
2. Connect the LIP monitoring device to the "RS485 LIP Decoder" connector (pins A, B), using twisted pair data cable. Petronic SGD cable is recommended.
3. Connect 0V and 12V to an external power supply. This is generally supplied by the LIP monitoring equipment via the SGD cable. Do not use the LTX-8 supply.
4. "Poll Lost" is an optional alarm driver.

