

# FTR

## **POWER SUPPLY - OPERATING MANUAL**

### INTRODUCTION

The FTR power supply is a switching mode power supply to be connected directly to the line proviiding an isolated output. It is suitable for powering instruments such as 4-20 mA field transmitters.

### **SPECIFICATIONS**

- Input Voltage (INPUT): 100~240 Vac/dc / 50~60 Hz
- Output Voltage (OUTPUT): 24 Vdc, ±2 %
- Output Power: 3 W
- Input/Output isolation: 2500 V / 1min.
- Protection: IP40
- Operating environment: 0 to 55 °C, 20 to 85% RH, noncondensing
- Installation: TS32 and TS35 DIN Rail
- Insulating material: Polyamide, self-extinguishing to UL94, V-0
- Connection wire cross section: 0,14 4,0 mm<sup>2</sup>
- Screw tightening torque: 0,8 Nm / 7.0 lb-in
- Terminal block: CuZn
- Short-circuit protection.
- Indoor use.

### INSTALLATION

The FTR power supply is designed for DIN rail mounting, inside electrical panel. Avoid excessive vibration, humidity, temperature and electromagnetical interference.



"The ground symbol + can mistakenly be printed on the front of the equipment. However, the associated electrical function is not available."

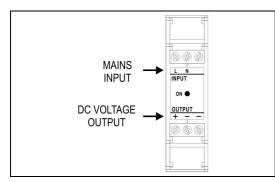


Figure 1 – FTR wiring

/lan 5000532

#### Recommendations for Installation

- Input signal wires should be laid out away from power lines and preferably inside grounded conduits.
- Instrument mains (line) supply should be suitable for this purpose and should not be shared.
- In controlling and monitoring applications, possible consequences of any system failure must be considered in advance. The internal alarm relay dos not warrant total protection.
- RC filters (47 R and 100 nF, serial) are highly recommended for valve and contactor coils, etc.

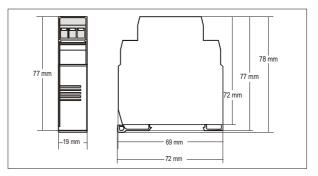


Figure 2 - FTR dimensions

#### WARRANTY

This product is covered by a 12-month warranty provided the purchaser presents the sales receipt and the following conditions are met:

- The one year warranty begins on the day of shipment as stated on the sales bill.
- During the warranty period all costs of material and labor will be free of charge provided that the instrument does not show any evidence of misuse.
- For maintenance, return the instrument with a copy of the sales bill to our factory. All transportation and insurance costs should be covered by the owner of the equipment.
- Should any sign of electrical or mechanical shock, abuse, bad handling or misuse be evident the warranty voids and maintenance costs will be charged.

