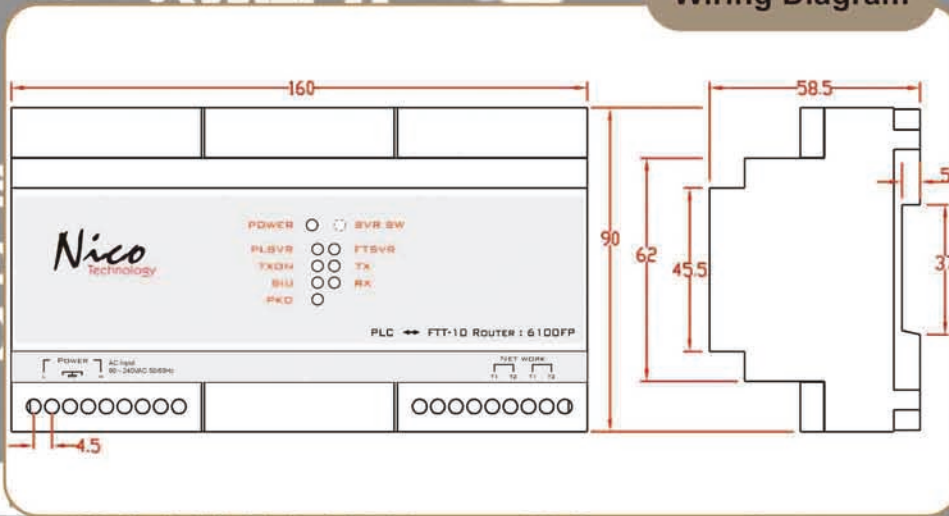# Nico
Technology



## LonTalk Router

The 6100FP Routers are products designed to integrate EIA 709 network between Twisted Pairs and Power Line networks, as well as LonMark® devices, into cost-effective, interoperable, control systems for building and industrial applications. In contrast to traditional control networks, which use closed islands of control linked with proprietary gateways,

The 6100FP Routers offer an open distributed system architecture in which every device performs some control processing and can be accessed from any location in the network. Distributing the processing throughout the network and providing open access to every device lowers the overall installation and life cycle costs, increases reliability by minimizing single points of failure, and provides the flexibility to adapt the system to a wide variety of applications.

LonWorks® Independent Developer

LonMark® Partner

### Nico Technology

## Wiring Diagram



160
58.5
90
62
45.5
5
37
4.5

POWER   SVR SW
PLSVR   FTSVR
TXDH    TX
SIU     RX
PKD

PLC ↔ FTT-10 Router : 6100FP

POWER  AC Input 80~240VAC 50/60Hz   NETWORK

## Certification: CE

## Specifications

Model : 6100FP

CPU : Echelon Neuron 3150,10MHz / PL3150

Memory : 48K bytes flash EPROM,8Kbytes SRAM

LonWorks Transceiver : FTT-10A/FT-X1/PL-3150

Power supply : 100~240VAC

Power consumption : 10~20mA

Connection : Plug-screw clamp 0.2-2.5mm

Temperature : Operation     0 ~ +50
Storage       -20 ~ +70

Admitted relative humidity : 5 ~ 93%, non condensing

Mounting : DIN rail

Display & Operation : Power, Service A-side , Service B side,
packet indicatorand Service Pin button

Dimensions : W160mm X H90mm X D58.5mm

## Features:
- RTR-10 based product
- Transparent media and channel support
- Reduces development cost by providing easy to fit solution
- Unlimited number of network variables forwarded
- Up to 2.5ms delay through router at 10MHz operation.
- Choice of four routing algorithms allowing trade-off between ease of installation and networkperformance
- Improves system reliability by physically isolating one channel from another
- Packet forward LED display
- Reset and Service buttons provided with power LED and service LED's for both sides of the router
- 100~240VAC Supply Input