



## Overview

The NBC-111 Zone Controllers are controllers for automation level tasks in LONWORKS® Systems. This powerful Zone Controller provides many connectivity features for the integration of LONWORKS® Systems. The NBC-111 comes with integrated IP-852/FT-10 router functionality.

The combination of free programmability (IEC 61131-3), gateway functions, alarming, scheduling, trending and e-mail notification provides multiple uses in building automation.

NBC-111 Zone Controller for LonMark® Systems can be connected either to an Ethernet/IP channel (LonMark® IP-852) or a TP/FT-10 channel. With a built-in IP-852 Router, it can communicate on both channel types at the same time. Static and dynamic NVs form the interface.

All data points are available in a tree structure on the integrated Web server to be displayed or set using a standard Web browser. The integrated gateway functionality enables data exchange between all communication technologies available on the device.

## Features

- IEC 61131-3 programmable
- Alarming, Scheduling, and Trending (AST™)
- Event-driven e-mail notification
- Compliant with CEA 709, CEA-852, ISO/IEC 14908 standard (LonMark® Systems)
- Supports TP/FT-10 or IP-852 (Ethernet/IP)
- Support of dynamically created network variables or static network variables
- Support of user defined NVs (UNVTs) and configuration properties (SCPTs, UCPTs)
- Integrated IP-852 to TP/FT-10 Router
- M-Bus Master according to EN 13757-3
- Connection of M-Bus devices via optional M-Bus Converter
- Modbus TCP and Modbus RTU (Master or Slave)
- Integrated Web server for the device configuration and for monitoring of data points
- Access to network statistics
- Configurable via Ethernet/IP, EIA-232 (RS-232), or TP/FT-10

### I/O Specifications

Interfaces	1 x Ethernet (100Base-T) LonMark® IP-852, Modbus TCP (Master or Slave), HTTP, FTP 1 x TP/FT-10 (LonMark System) 1 x Modbus RTU (Master or Slave) 1 x M-Bus (Master EN 13757-3) 1 x EIA-232 (RS-232)
CEA 709 Router	1
Program Cycle Time	Down to 10 ms

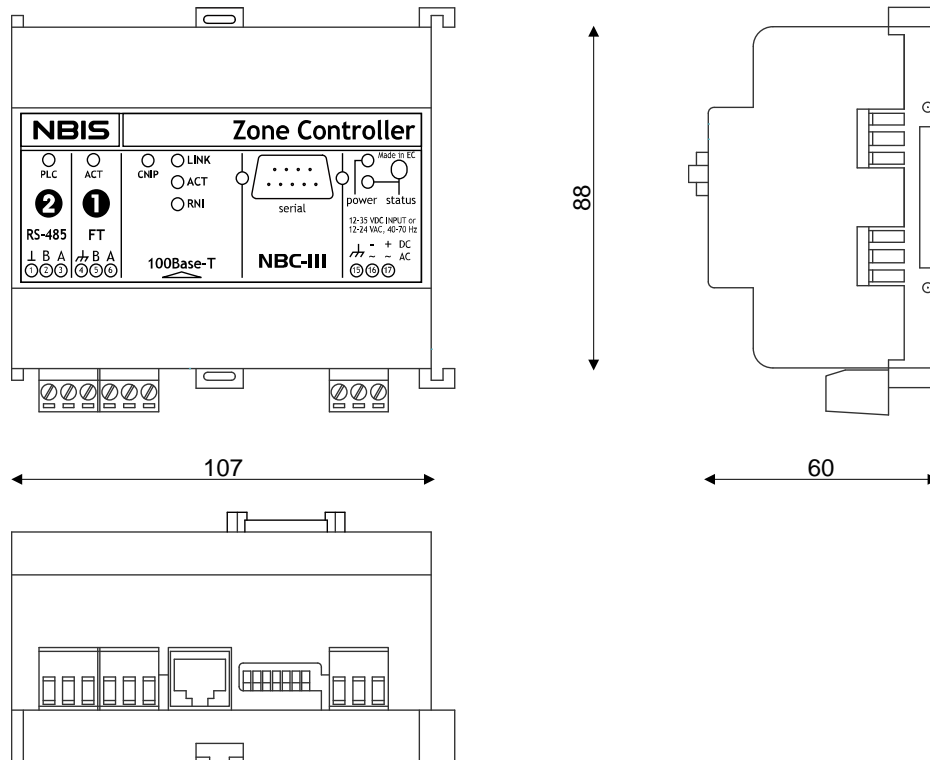
### Specifications

Dimensions	107 x 88 x 60 mm (4.2 x 3.5x 2.4")
Power supply	12-35 VDC / 12-24 VAC ±10 %, typ.
Power Consumption	3VA
Communication	1 x Ethernet (100Base-T)

### Regulations Compliance

FCC certified (Part 15B, Class B)  
CE certified (EN61000 -1, -2, -3, -4)  
LONMARK® compatible

### Dimensions



(unit: mm)