LONGSHINE®
since 1981

LCS-883H-C/LCS-883H-T
Arcnet 8-Port Hub
User's Manual

1. Checkliste

Beforeyou start installing the LCS-883H-C/T, verify that the package contains the following items :
- LCS-883H-C/T Hub
- Power Cord
- This User's Manual

2. Overview

The eight port active hubs, LCS-883H-C and LCS-883H-T are low-profile connecting device for Arcnet network. LCS-883H-C is designed for Arcnet network using RG-62 coaxial cable while the LCS-883H-T is for network using twisted pair wire. With the ability of conditioning, boosting and relaying network signals, these hubs are used to attain maximum allowable connection distance and to offer flexibility in the physical connection scheme.

LCS-883H-C and LCS-883H-T have eight ports for the connection to other Arcnet network components, such as network adapters, active hubs and repeaters. Nine LED lights in the front panel indicates the Power and eight ports working status, thus providing a significant aid for network diagnostics. The Power LED lights when the power is on. A Port LED is on either data is being transmitted over the network or a token is being passed from node to node. LED is off when the port detects no signal.
No signal is detcted by the port when the cable is not connected or the cable is broken or Arcnet adapter is not installed on the workstation. LED blinks when the network is under reconfiguration, i.e. a workstation joins or exists the network.

3. LCS-883H-C/T Network Configuration

Several hubs can be connected together by point-to-point. Point-to-point is the way of connecting any port of the first hub to any port of the second hub using RG-62 coaxial cable (LCS-883H-C) or Twisted Pair wire (LCS-883H-T). By doing this way, the distance between two hubs can be up to 2000ft (600m) for LCS-883H-C or 400ft (120m) for LCS-883H-T. Two typical Arcnet networks are shown below. Fig.1 shows the networking using LCS-883H-C and Fig.2 shows the networking using LCS-883H-T.
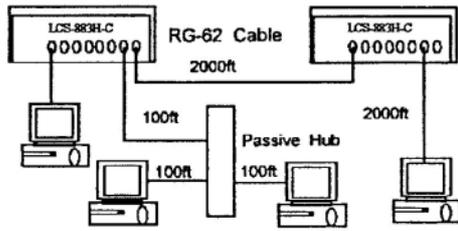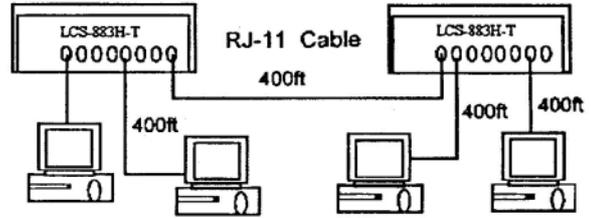
Fig. 1 The Coaxial Cable ARCNET Network

Fig. 2 The Twisted Pair Cable ARCNET Network

4. Technical Specifications

- Relays network signals over distance of up to 2000ft (LCS-883H-C) or 400ft (LCS-883H-T)
- 2.5 Mbit/s transfer rate
- 8 BNC coaxial connectors or 8 RJ-11 UTP jacks
- LEDs on the front panel for diagnostics, configuration and installation
- 110/220V AC switchable
- CE Mark