DATA COLLECTION/DATA TRANSFER IV

The Data Collection/Data Transfer IV Option (part number CEPL130333) for the Carrier Comfort Network (CCN) enables you to collect consumable, runtime, and history data from other system elements on a CCN.

Data Collection IV software is packaged in a module with Data Transfer. The module can be installed in a field-selected enclosure.

Data Collection/Data Transfer IV features include:

• 99 Data Collection tables
• 99 Data Transfer channels
• Data averaging
• Speedy Data Entry
• Foreign language translations
• Customary US or Metric units.

You can configure Data Collection/Data Transfer from ComfortWORKS, Building Supervisor, or Network Service Tool IV.

When configured from ComfortWORKS Version 1 or 2, Building Supervisor, or Network Service Tool, Data Collection IV will:

• store up to 192 pieces of data per history table.

When configured from ComfortWORKS 3.0 or greater, it will:

• store up to 768 pieces of data per history table.

ComfortWORKS or Building Supervisor can extract the stored data to generate reports. In the case of consumable and runtime data, the reports can cover daily, monthly, or yearly periods. History reports provide continuous data for each history point over the configured operation time.

Note: Data Collection IV does not support UT203 FID runtime and consumable functions.

The consumable function accumulates usage or energy rate information on configured consumable input points. Consumable data is collected every 15 minutes.

The runtime function accumulates on-time in minutes per hour for configured runtime input points. Runtime data is collected once per hour.

The history function accumulates data for configured history points at user-specified intervals. Collection begins according to a time and date or triggered by a configured event.

Each of the 99 Data Collection tables can be configured as a consumable, runtime, or history table. Once assigned, a single table can support configuration of:

• one consumable point,
• eight runtime points, and
• one master or slave history point.

You can assign histories as master tables or as master/slave groups. When you select a history table, you will be asked to enter how many associated slave tables (0-5) are required.

The master history table contains configuration that determines collection interval, starting and ending times, and any triggering criteria. Any associated slave tables will use the control parameters configured in the master table.

In Data Collection tables, you can use Speedy Data Entry to configure the following information for the point that provides the data:

- Element number and bus address
- Controller name
- Point name
- Configuration parameters, such as units.

Data Transfer

Data Transfer enables you to transmit point data from one CCN system element to another. It also supports broadcast transmissions from one system element to multiple system elements. All transmissions take place on the CCN Communication Bus.

The Data Transfer included in the Data Collection IV Module consists of 99 channels. You can configure the following for each channel:

- Source point name, element number, and bus number
- Destination point name, element number, and bus number
- Scan rate in minutes.

Data from one system element can be transferred to multiple system elements when a broadcast address is specified as the destination address.

SPECIFICATIONS

Power Requirements .... 15 VA @ 24 Vac ± 15%
Dimensions .... 13 in H x 2.75 in W x 5.5 in D
                            33 cm H x 7 cm W x 14 cm D
Operating Temp .... 32°F–140°F
                                                    0°C–60°C
Storage Temp.. -40°F–185°F
                                                  -40°C– 85°C
Operating Humidity.............. 0–90%, non-condensing

Conforms to guidelines for radiated and conducted emissions for Class A device as stated in FCC Rules and Regulations Part 15, Subpart J.

UL, ULC, and CE Mark (light industrial) listed.