

14.2 Serial Interface Configurations, Continued

Introduction

The model MU-TSIM12 or MU-TSIA12 Serial Interface (SI) FTA communicates with the model MU-PSIM11 Serial Interface IOP through the model MU-TLPA02 Power Adapter.

FTA plug-in module determines application

The firmware that is resident in the FTA's plug-in module, M1, identifies it as a Serial Interface FTA and determines the selected serial communications interface type (EIA-232 or EIA-422/485) and the interface application. The FTA is assigned a unique model number depending upon the application.

EIA-232 and EIA-422/485 interfaces

The Serial Interface FTA has both EIA-232 (RS-232) and EIA-422/485 (RS-422/485) asynchronous serial communications interfaces, one of which is active depending on the software-selected application, using either a DB-25 or a 5-terminal compression-type connector, respectively.

The EIA-232 cable is limited to a distance of 15 meters (50 feet). The cable must be supplied by the user and terminate in a DB-25 connector.

ATTENTION

ATTENTION—The EIA-232 interface is a point-to-point interface on which only one serial device can be connected. The EIA-422/485 interface is configured as a multidrop interface on which up to fifteen serial devices can be connected.

Modbus protocol device

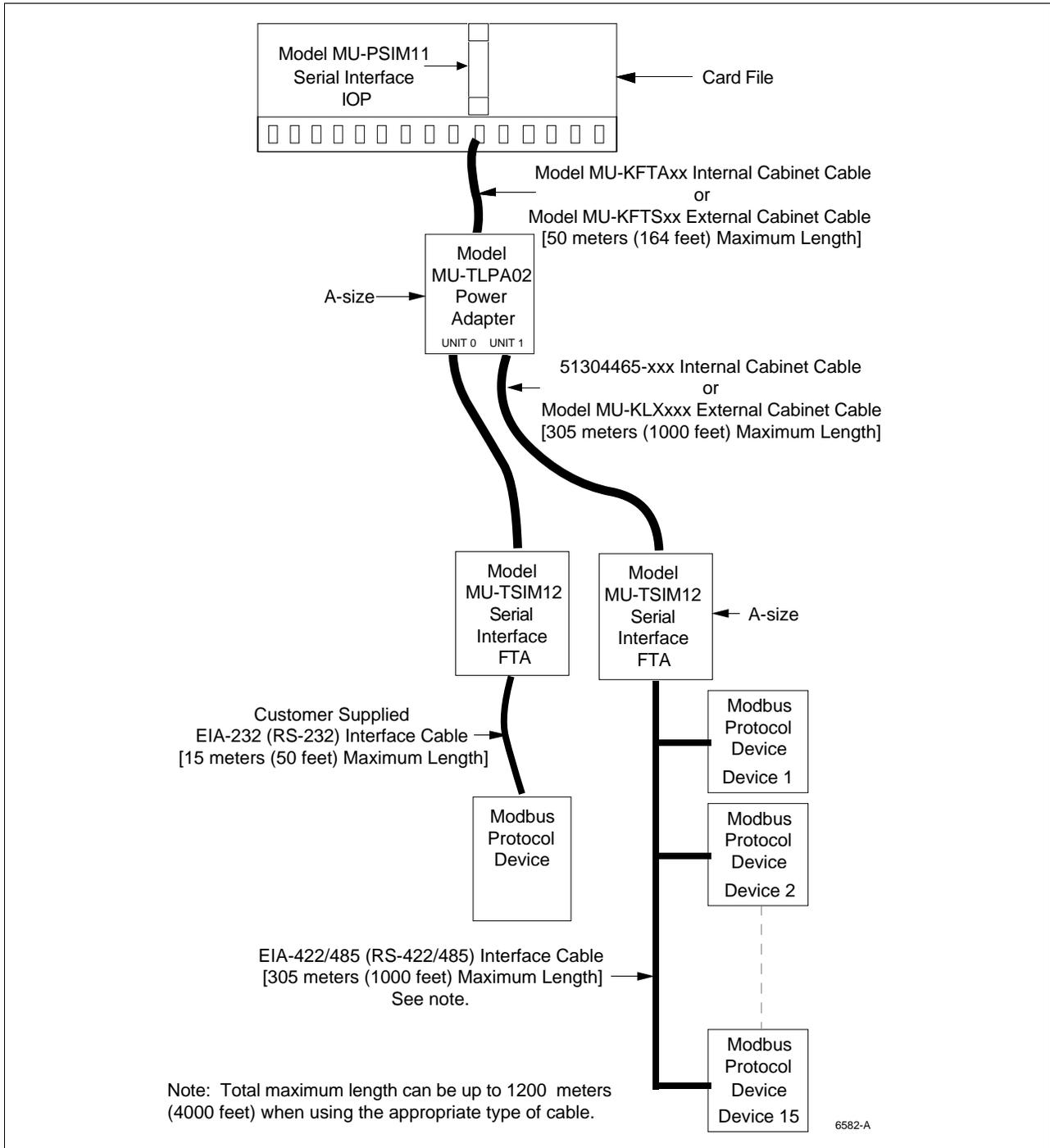
A Modbus protocol device that interfaces with the Serial Interface FTA must qualify as compatible through Honeywell's Multivendor Interface Program.

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14.2 Serial Interface Configurations, Continued

Model MU-TSIM12 FTA Modbus EIA-232 and EIA-422/485 interfaces Figure 14-1 illustrates the model MU-TSIM12 Serial Interface FTA to Modbus device EIA-232 and EIA-422/485 interfaces.

Figure 14-1 Serial Interface FTA to Modbus Device EIA-232 and EIA-422/485 Interconnections



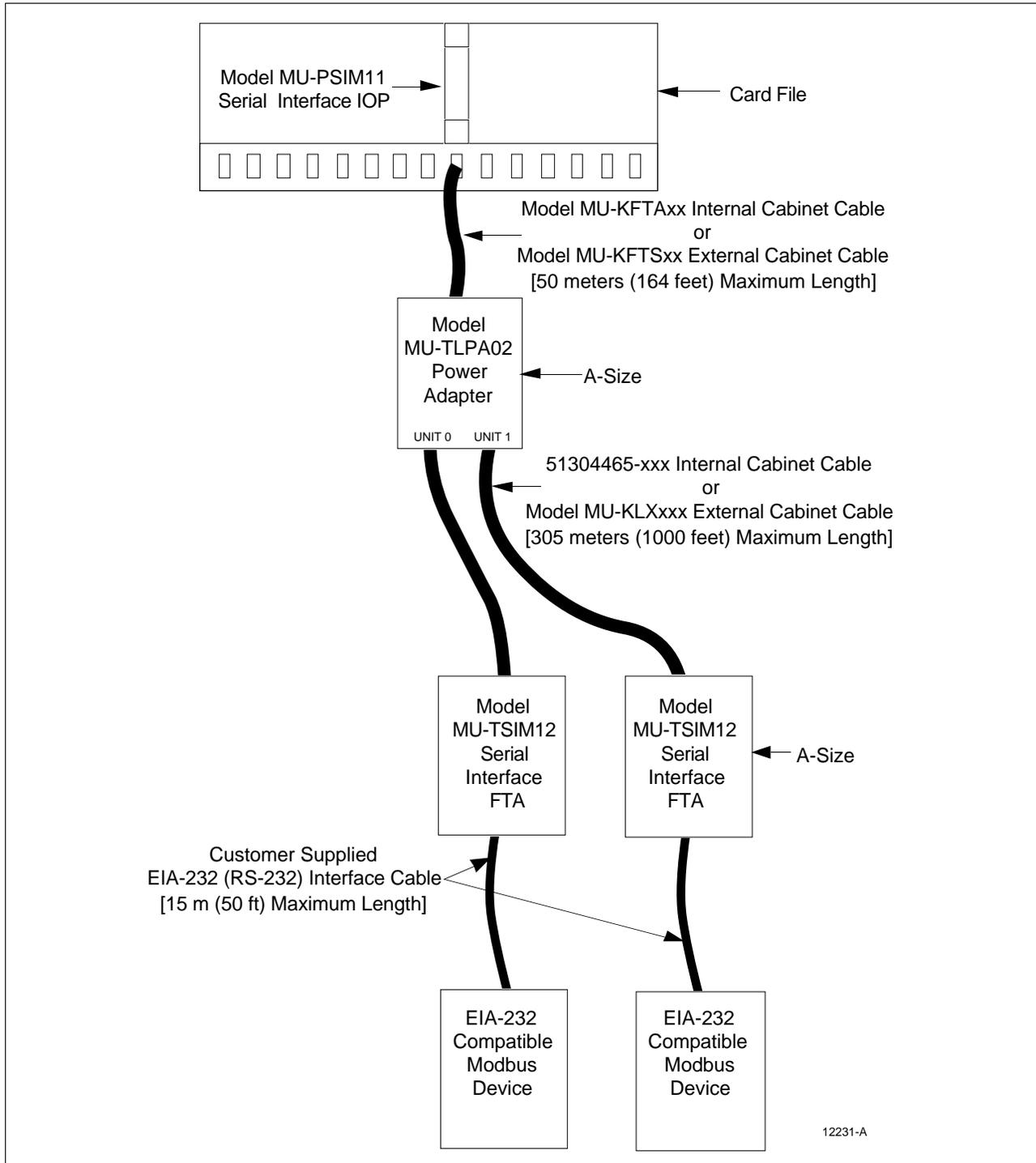
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14.2 Serial Interface Configurations, Continued

Model MU-TSIM12 FTA Modbus EIA-422/485 interface

Figure 14-2 illustrates the model MU-TSIM12 Serial Interface FTA to Modbus device EIA-422/485 interface.

Figure 14-2 Serial Interface FTA to Modbus Device EIA-422/485 Interconnections



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