AutoGas Storemaster and Gilbarco Dispenser Systems

Veeder-Root Hardware Requirements

The following equipment is required to interface the TLS to the AutoGas Storemaster system:

One Gilbarco Interface Module (for up to 3 current loops)
One installation kit for each current loop other than RS-422/RS-485 <u>OR </u>One Gilbarco installation kit for each RS422/RS-485 current loop (see Table 1 on page 5)

Gilbarco POS and Dispensing System Requirements

Gilbarco Dispenser Distribution Box PA-2420000000
Gilbarco Dispenser Distribution Box PA02610000010
Gilbarco Dispenser Distribution Box PA02610000020
Gilbarco Dispenser Distribution Box PA0281XXXXXX0

An AutoGas 507 controller is required with the AutoGas Storemaster POS.

System Limitations

Up to 36 Gilbarco single product or blending fueling positions are supported.
Only Gilbarco dispensers are supported.
The Gilbarco current loop dispenser interface module does not support Gilbarco G-Site applications.

The Cable Adaptor Box install kits are designed to be installed on either a Gilbarco 2-wire distribution box input using 9-pin 'D shell' style connectors or a Gilbarco RS-422/RS-485 input to the distribution box, also using 9-pin 'D shell' style connectors.

To identify the distribution input communication type, refer to the Gilbarco Universal Distribution Box Installation Manual (MDE2713) noting the position choices for jumper 12 and 10 on the Universal Distribution Box Card which is communicating to the PAM, POS, or computer controlling the hydraulic dispenser status. Both of these jumpers should be in the horizontal position. (If vertical, the pump input is RS-422 and that kit should be used [see Table 1 on page 5]).

Installation Notes

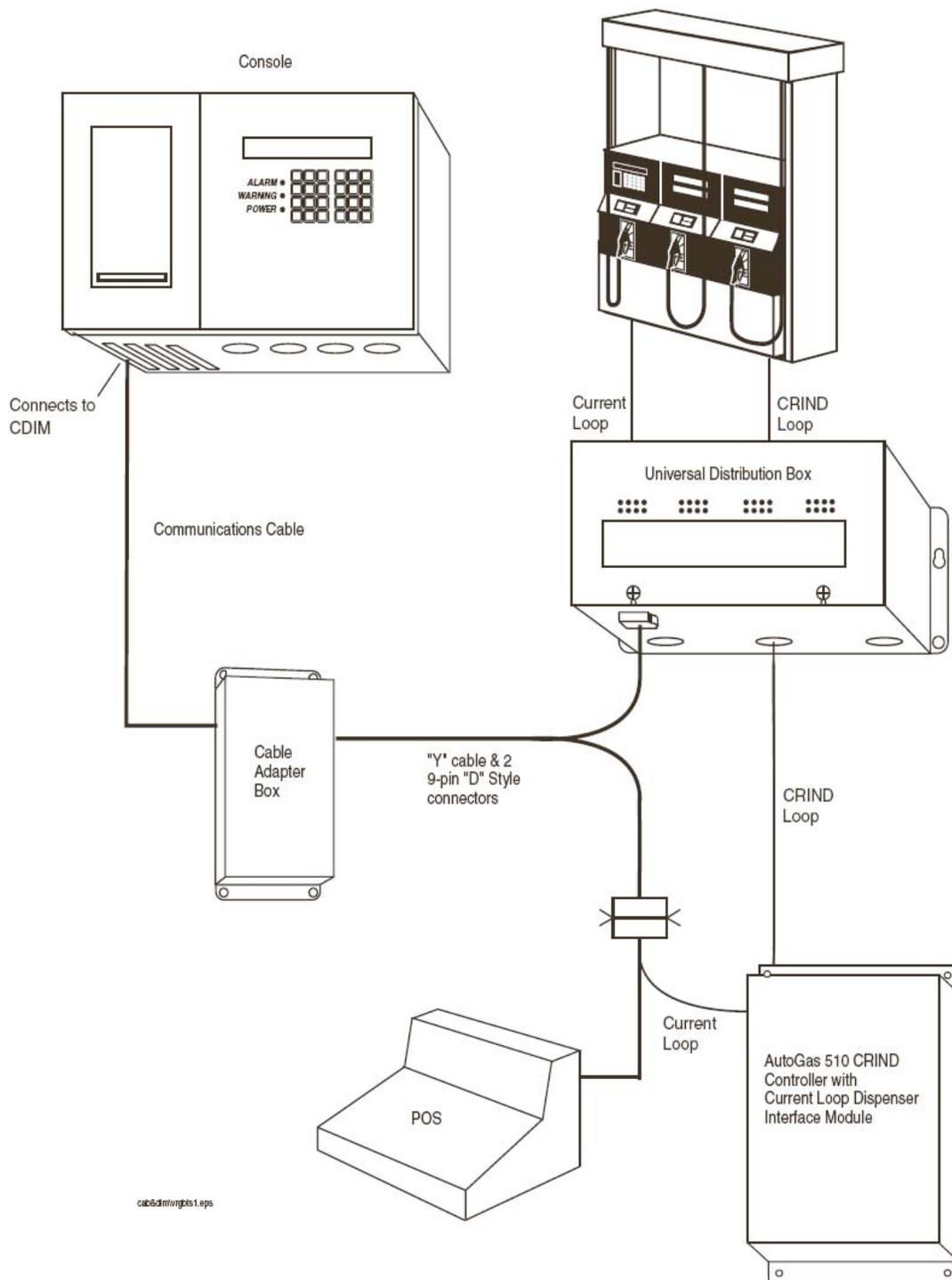Example wiring diagrams are shown in Figure 6 to Figure 9 below.

Console

ALARM ●
WARNING ●
POWER ●

Connects to
CDIM

Communications Cable

Current
Loop

CRIND
Loop

Universal Distribution Box

Cable
Adapter
Box

"Y" cable & 2
9-pin "D" Style
connectors

CRIND
Loop

Current
Loop

POS

AutoGas 510 CRIND
Controller with
Current Loop Dispenser
Interface Module

cab&dim/wrgbts1.eps

Figure 6.   AutoGas 510 CRIND Controller with Current Loop Interface

Console

Connects to
CDIM

Communications Cable

Current
Loop

CRIND
Loop

Universal Distribution Box

Cable
Adapter
Box

"Y" cable & 2
9-pin "D" Style
connectors

Current
Loop

CRIND
Loop

POS

PAM

Serial Data

AutoGas 510
CRIND Controller
with Serial Interface

cab&dlmwrgbts2.eps
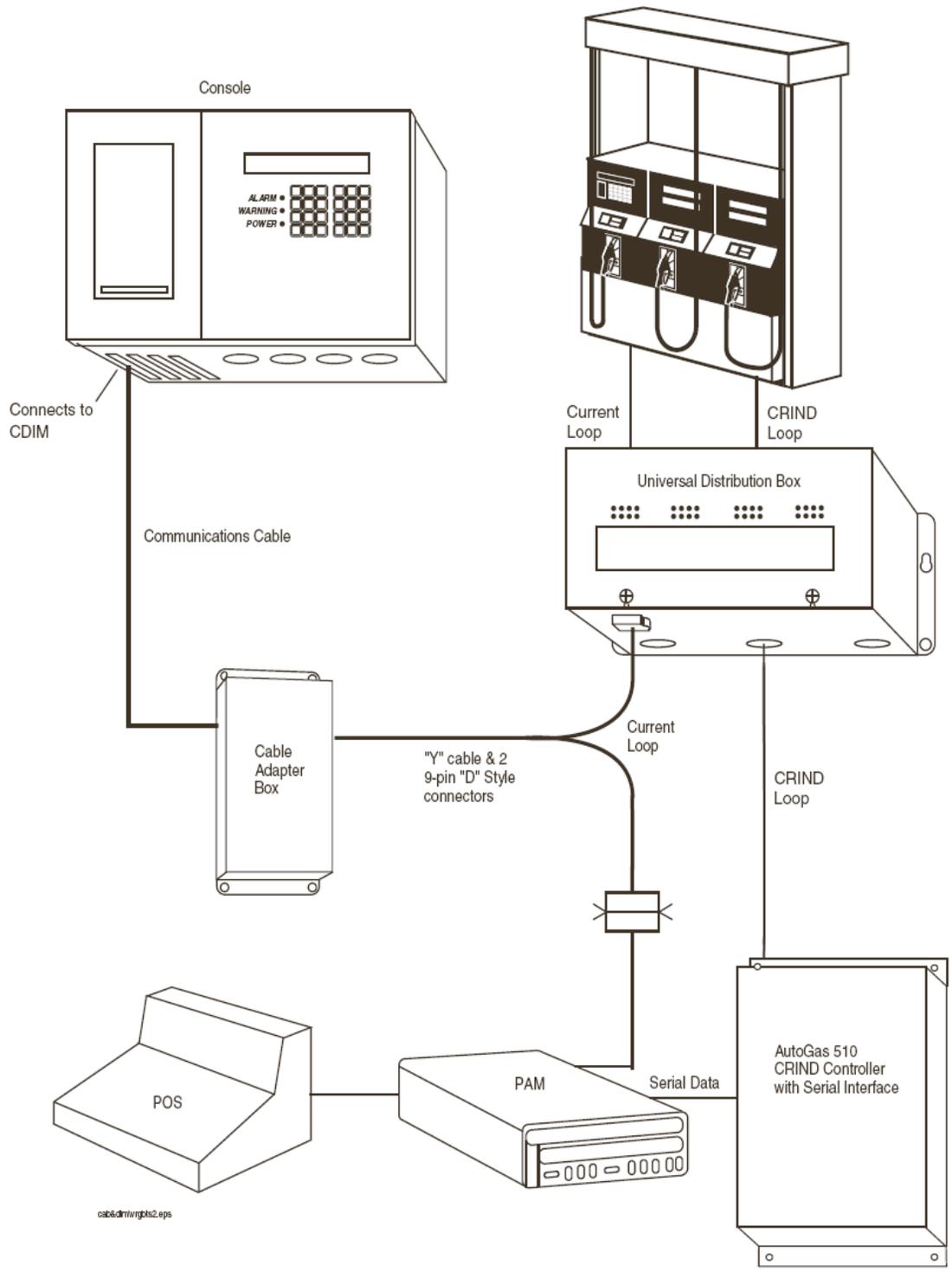
Figure 7.   AutoGas 510 CRIND Controller with Serial Interface

Console

ALARM
WARNING
POWER

Connects to
CDIM

Communications Cable

Current
Loop

CRIND
Loop

Universal Distribution Box

Cable
Adapter
Box

"Y" cable & 2
9-pin "D" Style
connectors

CRIND
Loop

Current
Loop

Generic POS

Serial or
Current Loop
Data

AutoGas 510
CRIND Controller

cab&dimwrgbts3.eps
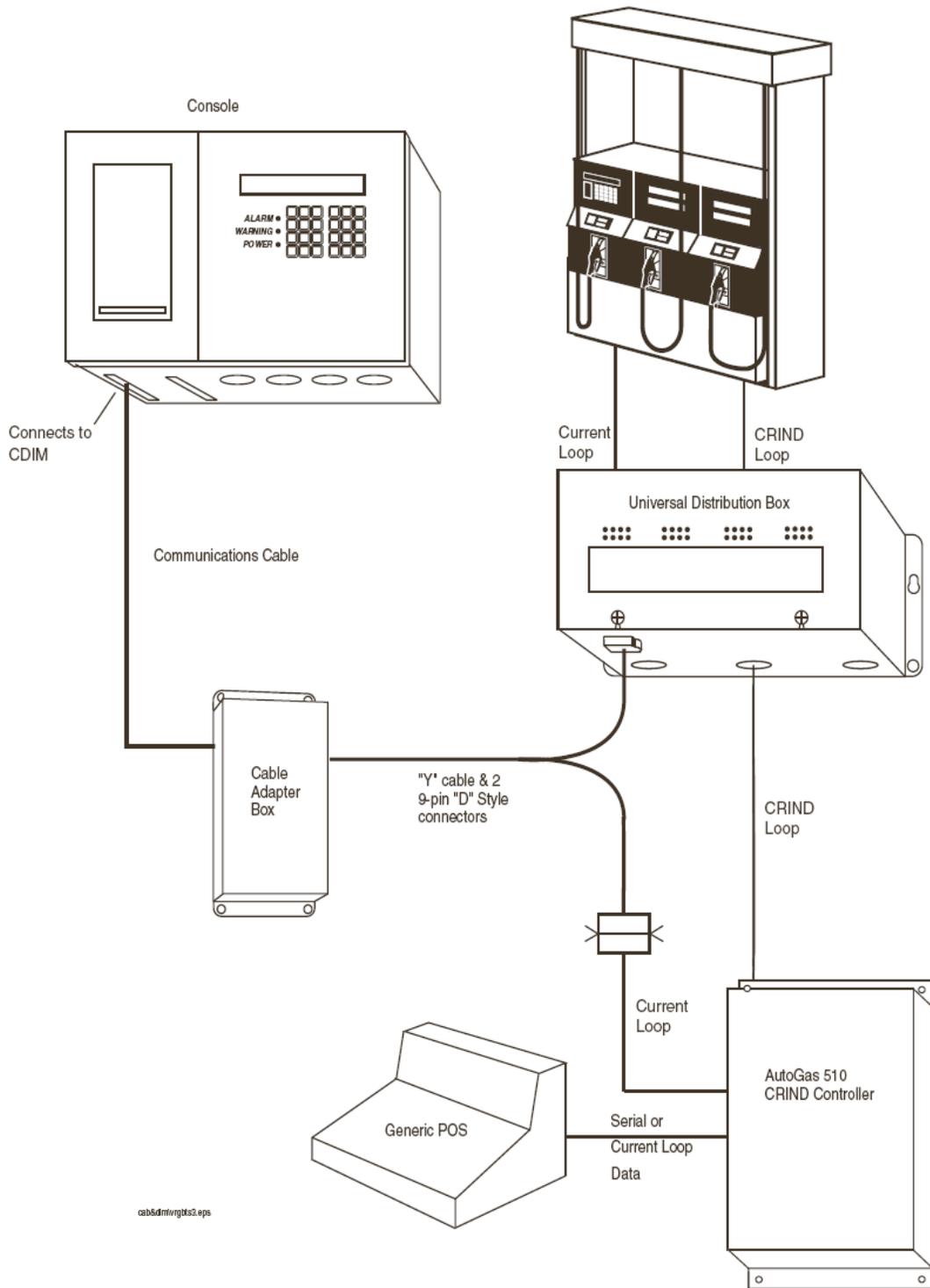
Figure 8.   AutoGas 510 CRIND Controller

Console

ALARM
WARNING
POWER

Connects to
CDIM

Communications Cable

Cable
Adapter
Box

DB9 M/F cable

DB9 To Cable Adapter Box

Storemaster
POS

cab&dim/wrgbts4.eps

Current
Loop

CRIND
Loop

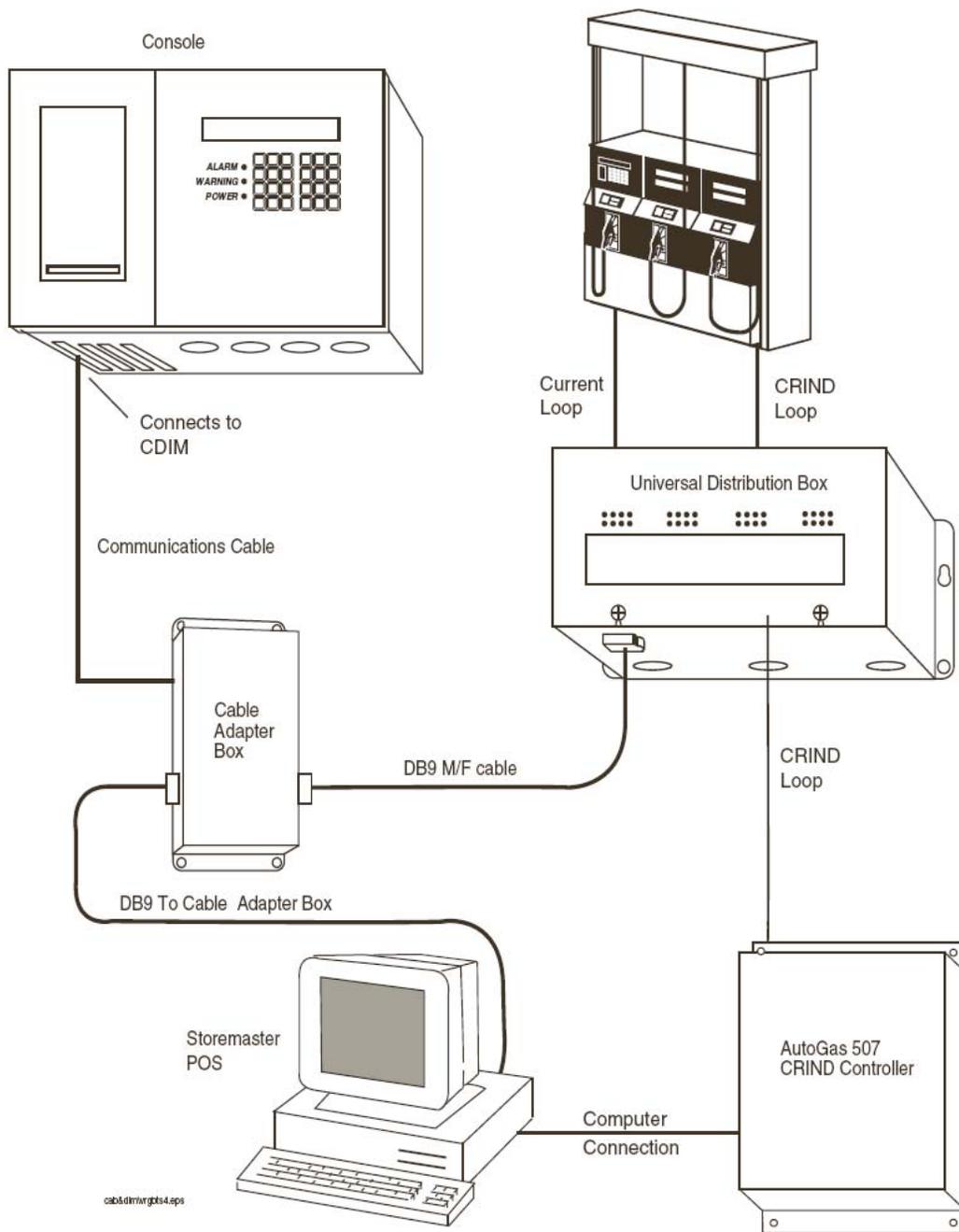Universal Distribution Box

CRIND
Loop

AutoGas 507
CRIND Controller

Computer
Connection

Figure 9.   AutoGas 507 CRIND Controller