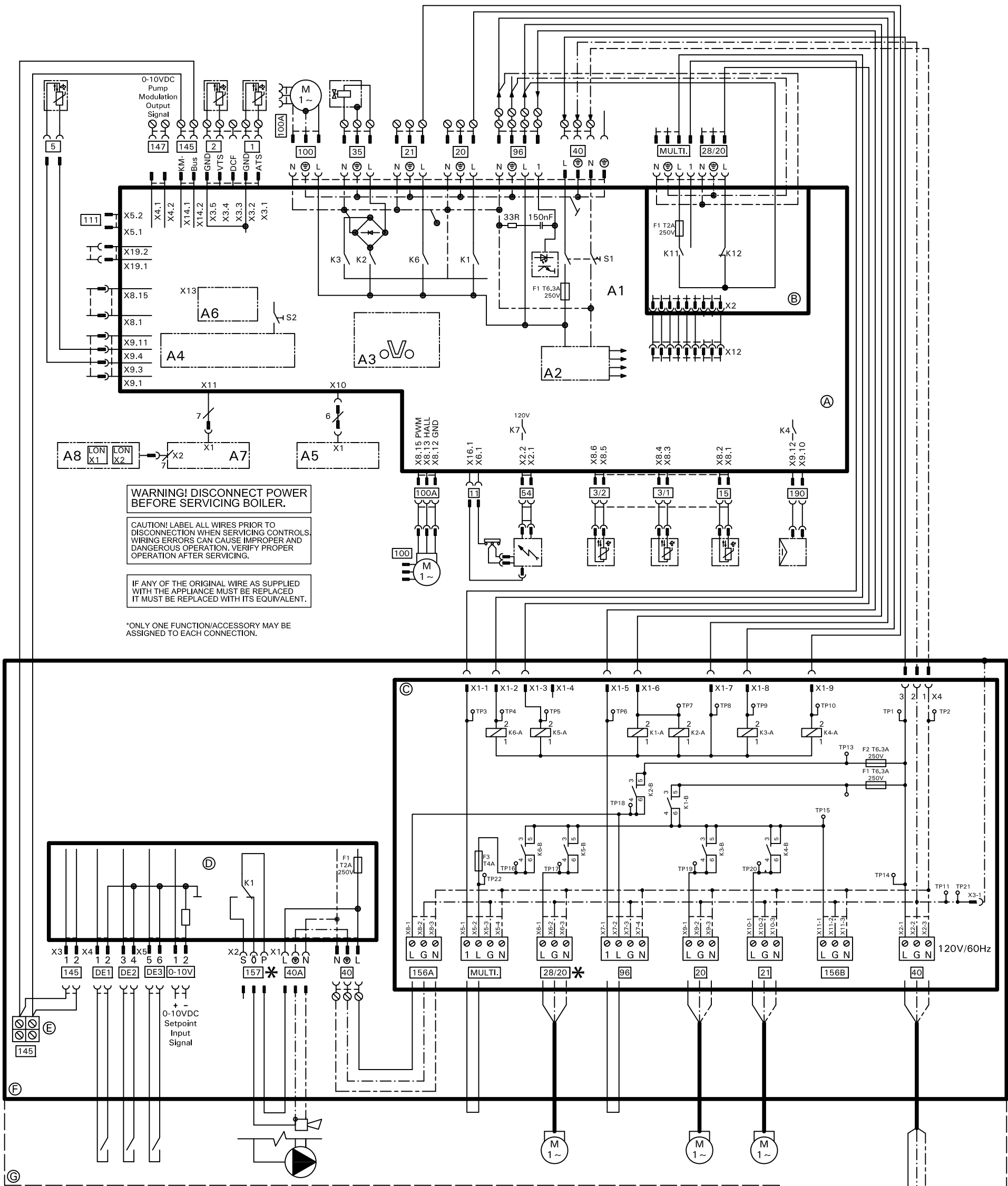


Vitocrossal 300, CU3A Models 26/35/45/57/94/125/160/199



- Ⓐ Boiler Control

Ⓑ External Access. Con. Board

Ⓒ Pump Connection Interface

Ⓓ Extension Module EA1

Ⓔ KM-BUS for External Devices

Ⓕ Electrical Junction Box

Ⓖ Field Wiring Connections

A1 Main Board

A2 Internal Power Supply Unit
- A3 Optolink

A4 Burner Control Unit

A5 Programming Unit

A6 Coding Card

A7 Connection Adapter

A8 LON Communication Module

S1 ON/OFF Switch

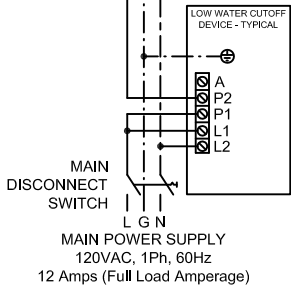
S2 Reset Button

X... Electrical Interface

Electrical Installations Must Comply With;

In the U.S.A. National Electrical Code (NEC), ANSI/NFPA 70 and any other national, state, and local codes and/or regulations.

In Canada, the Canadian Electrical Code (CEC), CSA C22.1 Canadian Electrical Code Part 1 and any other province, territory, local codes and/or regulations.



- 1 Outdoor Temperature Sensor

2 Supply Temperature Sensor/Low Loss Header

3/1 Boiler Temperature Sensor #1

3/2 Boiler Temperature Sensor #2

5 DHW Temperature Sensor

11 Ionization Electrode

15 Flue Gas Temperature Sensor

20 Boiler Pump

21 DHW Pump

28/20 Programmable Pump Output*

35 Gas Valve
- 40 Power Supply

40A Accessory Power Output

54 Ignition Transformer

96 Powered Accessory Connection

100 Fan Motor

100A Fan Motor Control

111 Not Used

145 KM-BUS

147 Pump Modulation Output 0-10VDC

156A Switched Output F2

156B Switched Output F1
- 157 Fault Alarm/DHW Recirc. Pump*

190 Gas Modulation Coil

Multi Powered Accessory Connection

DE1 Digital Input 1 (Dry Contact)

DE2 Digital Input 2 (Dry Contact)

DE3 Digital Input 3 (Dry Contact)

0-10V 0-10VDC Input