

C900 CentraPlex Controller

Level Transmitter Functions

CentraPlex controllers integrate tank level transmitters in a variety of technologies to provide tank volume information and generate level alarms.

Level transmitters technologies include magnetostrictive (the standard for commercial fuel tanks), RF Admittance, Ultrasonic, Radar, or Precision Pressure methods. Integral or auxiliary temperature transmitters also connect to the CentraPlex controller for accurate temperature compensated volume calculations.

The CentraPlex controller calculates volumes based on rectangular or cylindrical tank configurations.

Information from tank level instrumentation includes:

- (a) Fuel Level – inches
- (b) Fuel Volume – Gallons
- (c) Fuel Temperature
- (d) Temperature Compensated Volume
- (e) High Level Warning, Alarm, and Critical Alarm
- (f) Low Level Warning, Alarm, and Critical Alarm

Tank volume information can be shared amongst other OmniPlex or CentraPlex controllers on the fuel system network, and communicated to the Building network via BACnet, Modbus, Metasys N2, or LON.



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