

C800 OmniPlex Multi-Function Controller

Temperature Read Functions

OmniPlex controllers integrate fuel temperature transmitters for a variety of applications. Industrial grade RTD type transmitters elements are installed into tanks or piping systems to provide inputs to the OmniPlex controller.

The most common application is for day tank temperature monitoring where there is a concern for excessive heat buildup. See Bulletin M500.B03 for more information.

Other applications for the temperature capability include temperature compensated volume calculations for tanks. Diesel fuel will expand / contract at an approximate rate of 5% per 100 degrees F. which has a significant impact on volume measurement. The temperature reading is used to correct the volume readings to a baseline of 70 degrees F.

The temperature reading capability is also used for pump and filtration operations for accurate metering of fuel flow rates and accumulated totals.



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