

CG APPLICATIONS

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Market involved : Chemical, Agriculture, Cement, Ceramic&Glass, Food&Beverage, Pulp&Paper

Product : LDM35H Universal Digital Meter

Customer : Panel Builders

Subject : Pump Control

CUSTOMER ISSUE :

It is required to display the level of the fluid contained in the tank, providing a pre-alarm warning when the level is closer to the maximum admissible value, and disconnecting the pump motor when the tank is full.

This last condition must be highlighted by the measuring instrument in a clear way.

It is available a level transmitter, whose 0 to 20 mADC output signal is proportional to the level.

OUR SOLUTION:

LDM35H is the ideal instrument to provide a simple solution for the application.

The 2 set-points associated to the digital outputs can be used to switch on/off the alarm light (or horn) and the motor through a contactor.

Additional functions of LDM35H allow also: to highlight the exceeding of the programmed measuring range by means of the display blinking; to manage the minimum period between the pump activation/deactivation and vice-versa; to filter the measured values; to store and display the peak and valley values reached by the variable from the last reset.

ACHIEVED BENEFITS:

- Wide range of inputs in each model leading to a stock reduction by panel builders and distributors
- Peak and valley function to check the minimum and maximum levels reached by the fluid
- Powerful variable control with up to 2 alarm outputs and blinking display when the programmed range is exceeded
- Universal power supply (AC/DC)
- High protection degree
- CE, UR, CSA approvals.

