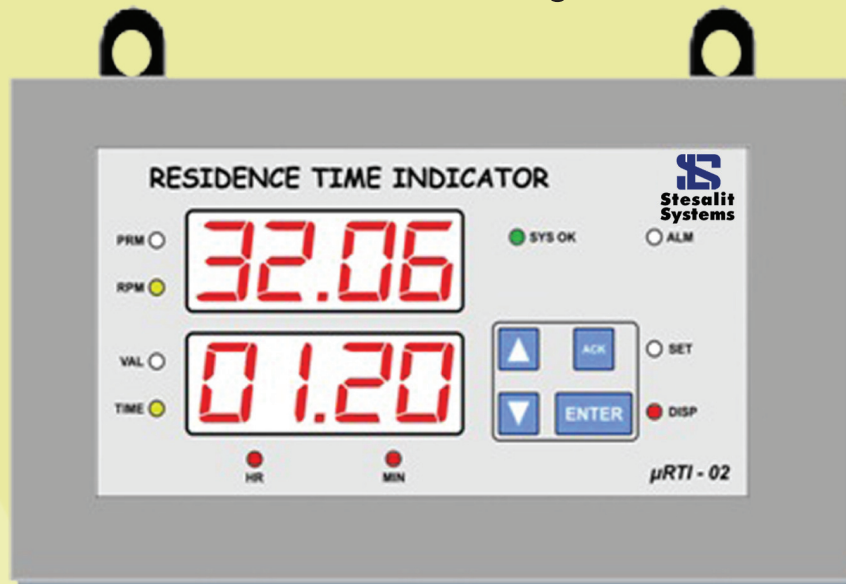


Microcontroller based Residence Time Indicator “RTI” for Continuous Fermenting Machine



RTI

In tea factories “Residence Time” of the continuous fermenting machine (CFM) plays a very important role on the final quality of ‘Made Tea’. During Oxidization (Fermenting) process the residence time is to be changed based on change in ambient conditions, mainly temperature and relative humidity (%RH) of surrounding air. Various method are used to change the residence time of the CFM, for example: using different size pulley, variable frequency Drive etc. which is always prone to setting error.

Stesalit has developed Residence Time Indicator (RTI) for real time monitoring of the residence time of CFM. It display the residence time with respect to the drive/ pulley setting and the same can be corrected accordingly.

Salient Features/ Advantages

The design is based on electronically controlled high performance Micro Controller. The list of some important salient features of the system is as follows:

- ✔ RTI Displays the Actual Residence of CFM on real time basis.
- ✔ RTI Continuously monitor and displays the rpm of the drive motor of CFM.
- ✔ Rugged design to withstand harsh factory condition.
- ✔ Interface facility via Wire/Wireless communication (PC) for remote monitoring (Optional).