

IE Remote Interface Console

GENERAL INSTRUMENTATION

■ Description

When Batch Controller is installed in control room of Terminal Automation project, a console is required in the field to be accessed by truck filling staff and drivers. IE Remote Interface Terminal will fulfill this requirement. IE RIT is a microprocessor based instrument with a LCD back lit graphical display and front panel keyboard and alarm/status indicating lamps. This will send signals to Batch Controller and receive controls from the same on RS 232 / RS 485 depending upon the density and distance of the loading points from control room. A matched protocol for data communication between IE Batch Controller and IE RIT is also supplied with this.

■ Design Features

- iiA iiB Explosion Proof enclosures
- Liquid crystal display with back lighting graphical
- Watchdog timer
- RS 232/RS 485 serial port to be connected to Batcher

■ Principle Of Operation

RIT will be accessed by front panel keyboard and the signals are transmitted to Batcher and the Data is received by RIT on RS 232 / RS 485 depending upon the distance and the digital valve operation is then controlled by RIT by truck driver/filling operator. RIT will also display data of truck under loading on graphical display. Also sends and receives data of the truck under loading to Batcher.

■ Specifications

WARNING: Do not operate this instrument in excess of the specifications listed below. Failure to heed warning may result in serious personal injury or damage to the equipment.

■ Inputs

Serial data from Batcher on RS 232/RS 485.

■ Outputs

- Signal to Digital Control Valve
- Serial Data to Batcher on RS 232/RS 485
- LCD Graphical display with back light