REGULATEURS EUROPA
Member of the
Heinzmann Group

Overview

DATA SHEET

Description

ICENI is a range of modules that can be plugged together to form a node on a distributed I/O system. Nodes are positioned at strategic points around the plant enabling local field devices to be wired to the modules rather than individually back to the master station, thus simplifying the plant wiring.

The master station can access the input process image to determine the plant status and also write to the output process image area to control plant devices.

The network node is controlled by a master module that always occupies the first slot. A combination of input and output modules to suit the field requirements are then plugged into the right hand side of the master module to form the ICENIbus. The node is completed with a power supply module.

Configuration parameters for the fieldbus communication and specific channels on I/O modules are set using the graphic display and front panel push-buttons to navigate the menu system. The slot position that the module occupies within the node determines the addresses within the process image where the data is located. In normal operation the input modules are continually scanned and the process image updated with the input status. The process image is accessed over the fieldbus network and this can either request a block of input data or set a block of output data. Output modules are continually scanned and updated by the data in the process image.

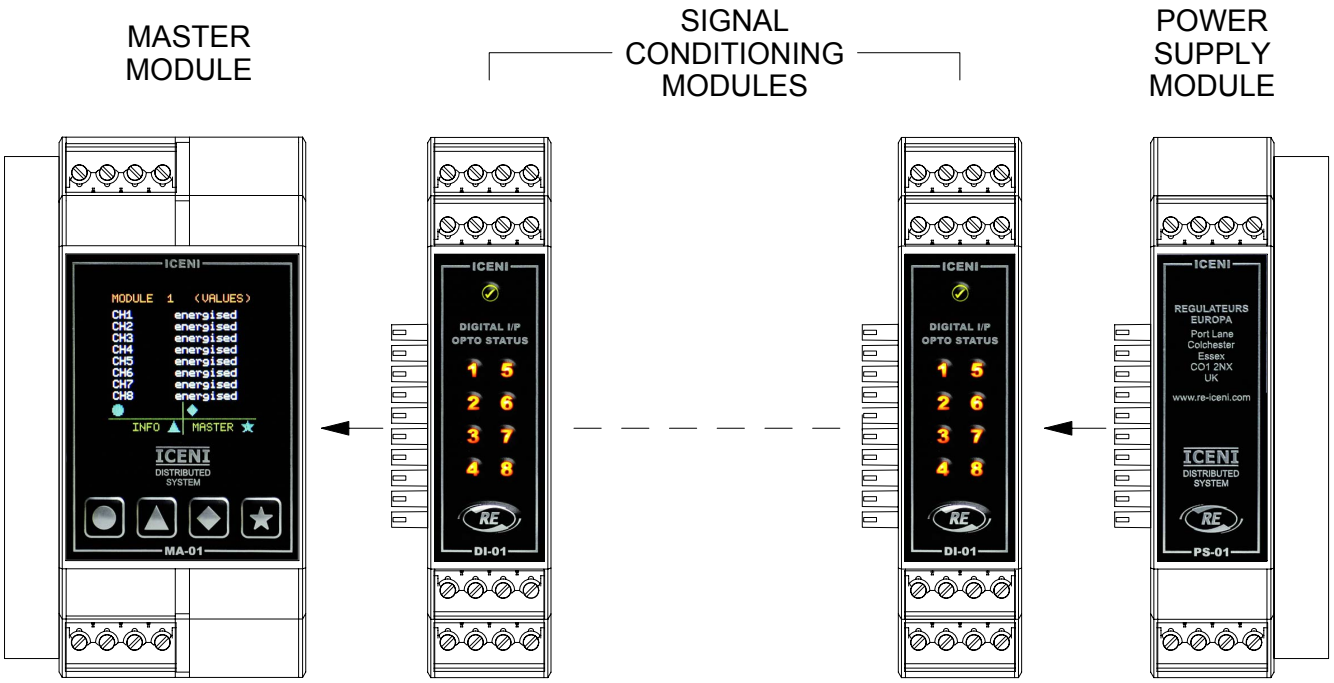
The status of individual modules is easily identifiable by the LED indicators on the front panels. As an aid to commissioning, local plant status information can be displayed on the graphic screen without the fieldbus connection being present. This permits the local wiring and device operation to be verified locally, completely independent of the fieldbus controller.

To aid fault finding with the node, diagnostic information on the fieldbus and input/output modules is available on the graphic screen. Changeover alarm contacts are provided on the master and power supply modules and can be used if necessary to alert the operator that the node is not available or to enable backup control systems.

Features

- Open protocols to PLCs, PCs etc.
- Extended temperature range (-20 to +70 °C)
- In-built user interface for commissioning and support
- Robust construction
- Electrically isolated signals and power supply
- 'Plug and Play' automatic configuration
- Cost effective solution for a wide range of applications

Dimensions



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