

Digital Indicating Universal Controller

Model No. : UC10

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Digital Indicating Universal Controller

INTRODUCTION :

The Universal Digital Indicating Controller has been designed to measure the value of different parameter of process and display the value. It can measure 'TC-J', 'TC-K', 'TC-R', 'VOL', 'CUR' and 'RTD' by selection from keyboard. **Use 250 Ohms resistor for 'CUR' input.**

The Instrument is front panel mounting type and hazard free in operation. It is designed in three nos. of basic cards, namely 'Main Card', 'INFCard' and 'Display Card'.

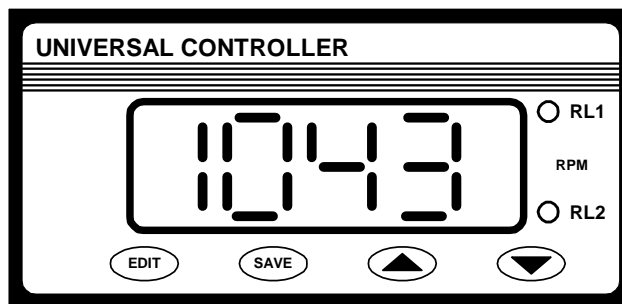
The micro controller based instrument is having 4digits LED Display and four touch keys for programming and control indication along with LED as describe bellow.

KEYs:

- 1) EDIT KEY
- 2) SAVE KEY
- 3) UP KEY
- 4) DOWN KEY

LED:

- 1) Relay:- Relay LED will glow when relay will be ON



OPERATION:

There are three modes of operation - "EDIT" or Supervisory Mode, "SET" or Operator Mode and another is "RUN" mode.

EDIT Mode:

In this mode Controller can be configured and calibration can be done. For that this mode is password protected.

SET Mode:

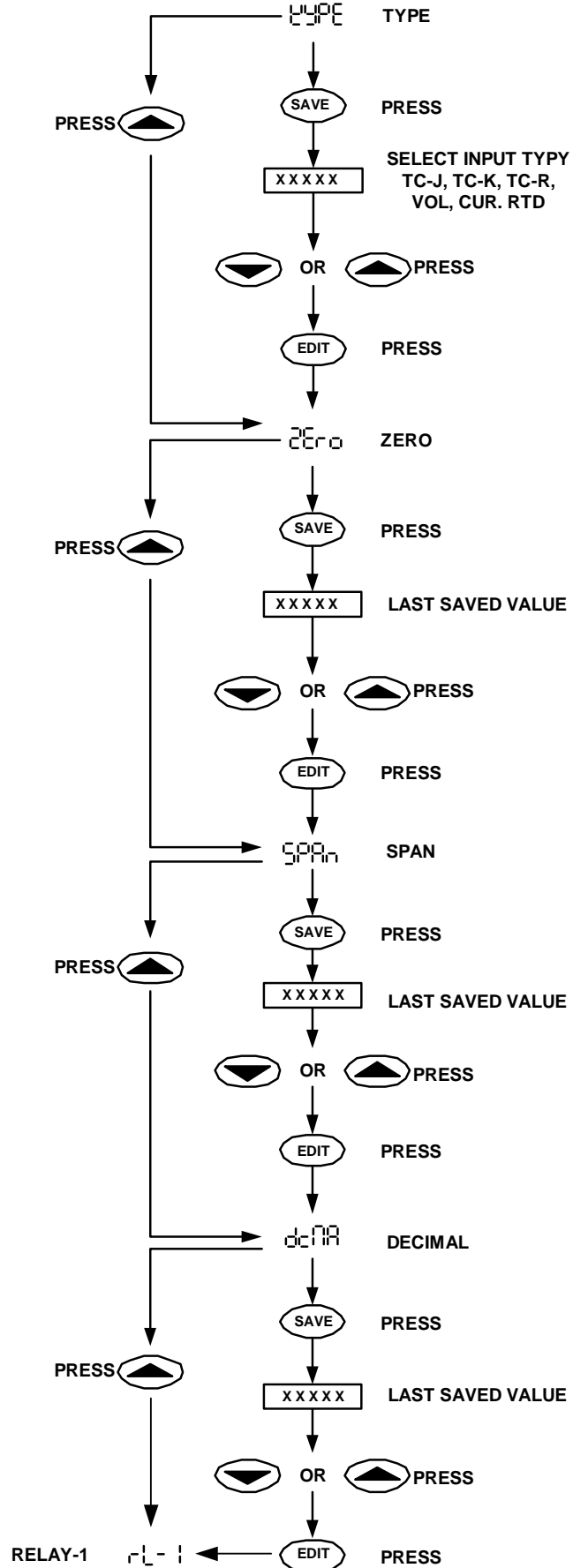
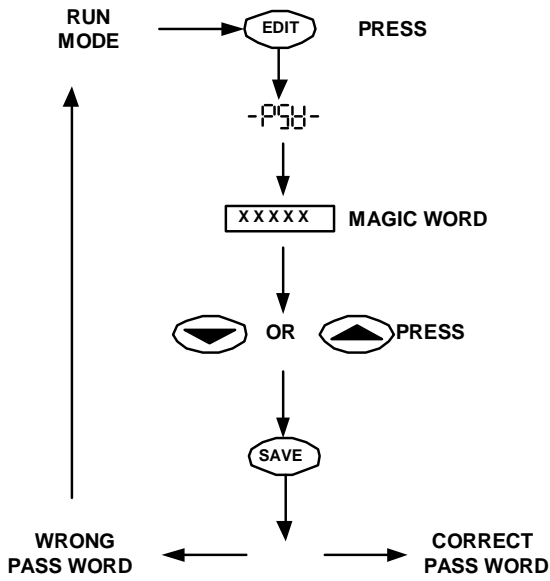
In this mode Relay set point can be set.

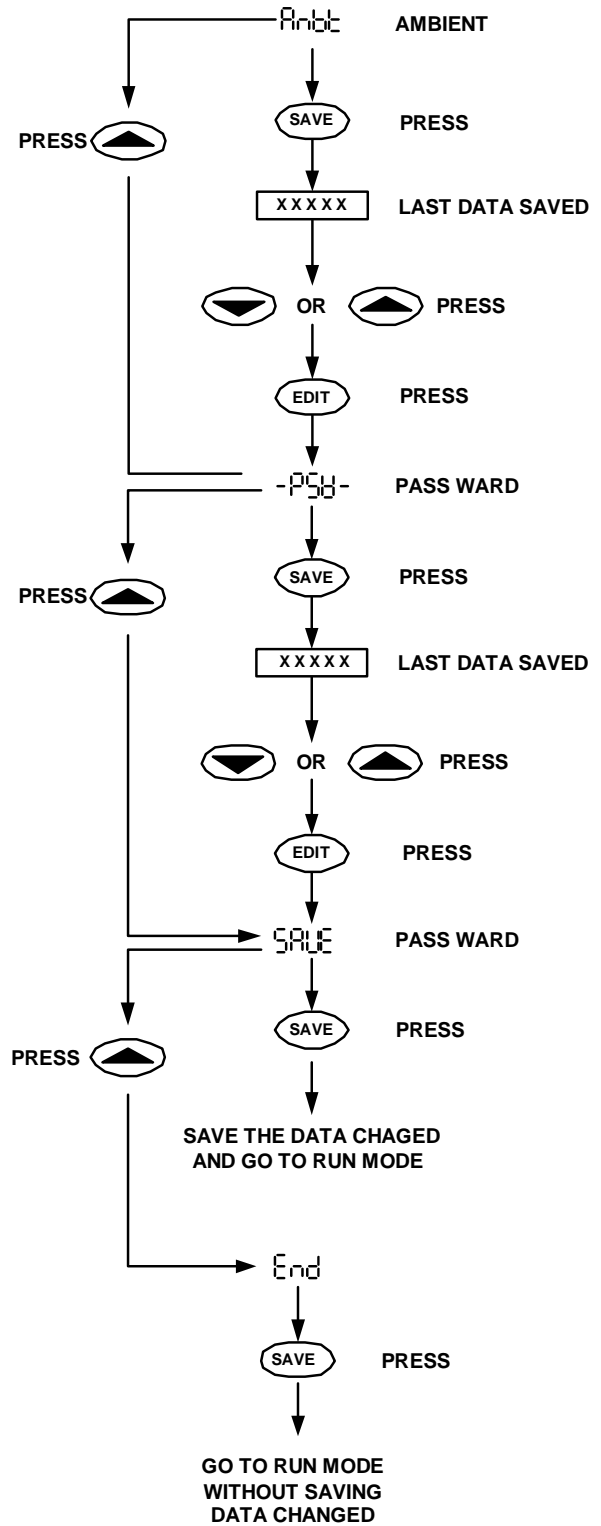
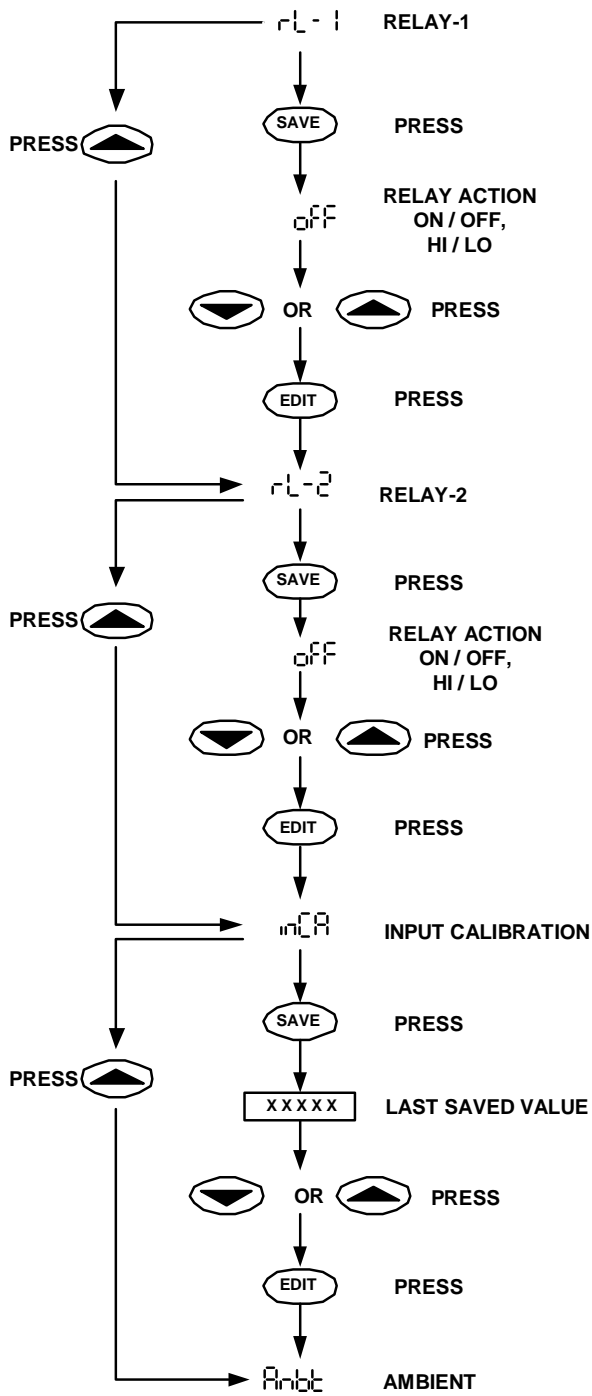
RUN Mode:

In this mode Controller shows the process value and takes relay action as per set point.

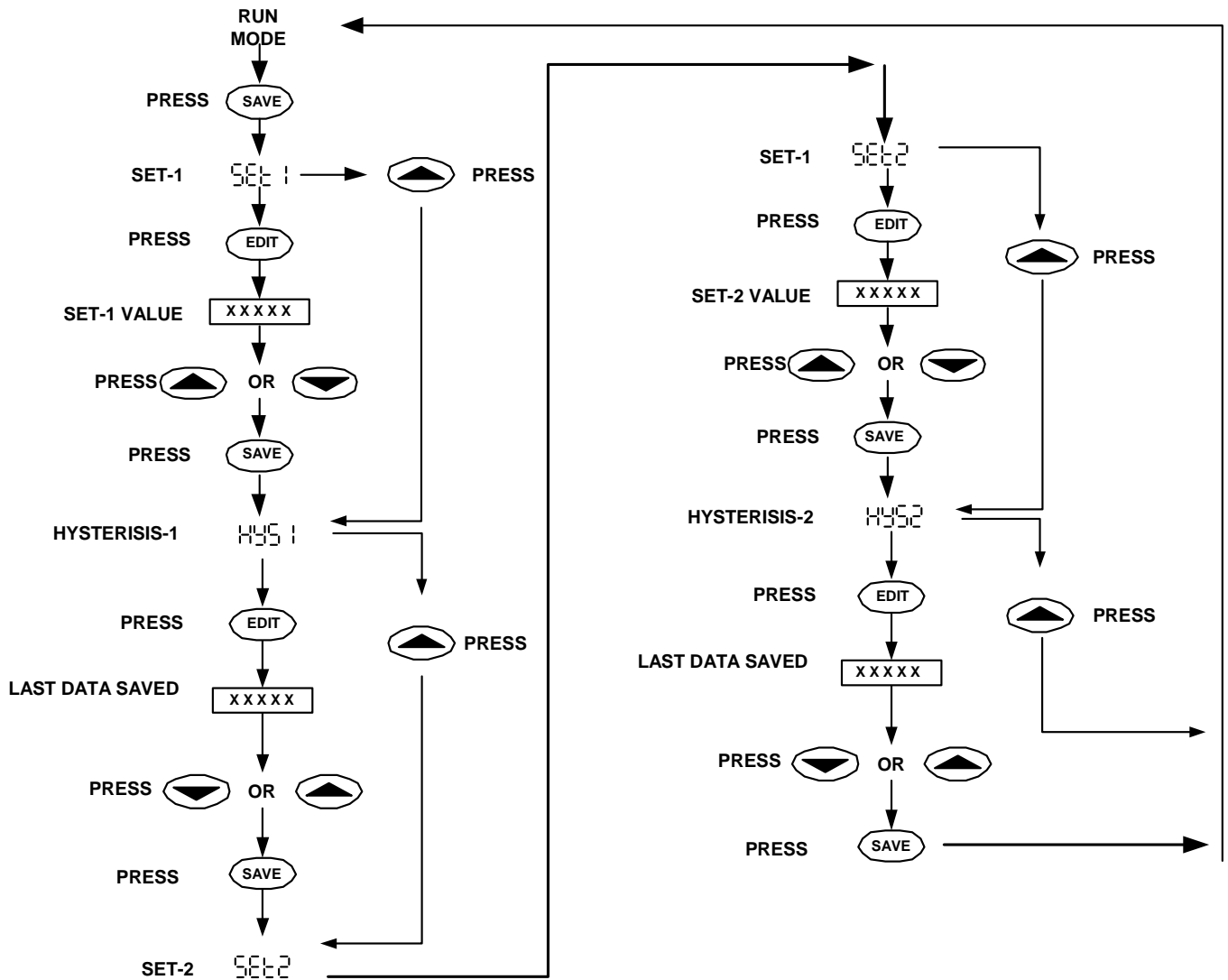
"EDIT" and "SET" modes operation are define bellow.

CONFIGARATION MODE





OPERATOR MODE



CONNECTION DIAGRAM

