
Hixson Temp Tag

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Chaney Instrument Co.

Hong Kong Primex Asia Limited ShenZhen Representative office

香港普耐美亚洲有限公司深圳代表处

AB,29/F HAIYING BUILDING SOUTH CAITIAN ROAD FUTIAN DISTRICT SHENZHEN
CHINA

深圳市福田區彩田南路海鷹大廈 29 樓 AB 室

A. Foreword

1. Definition list

Sender: A wireless sending module.

Receiver: A wireless receiving module which displays temperature.

B. Functional Specification

1. Features:

- a. Temperature Range: 80°F-120°F
- b. The system included a receiver and a sender.
- c. The system will transmit the temperature 4 times per hour. (Transmit time space: 15 minutes. They are circularly transmitted within one second)
- d. Temperature alarm function:
A red LED and LCD will flash in the receiver when temperature range over 104°F and it will display “- - -” when the temperature range is outside 80- 120°F.

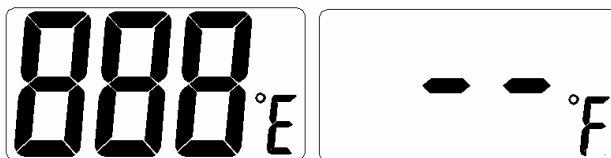
2. LCD display

- 1) The Sender without LCD.
- 2) The receiver with following LCD:



3. Operation

- a. When power on the receiver, its LCD will fully display as the below figure, then the LCD will display as next figure.



- b. The time code will be preset in the factory and exit factory by pair which is matched the time code.
- c. Customer can register the new time code by pressing the reset key on the back side of the receiver .(need to screw out the screw to access the reset key) The receiver will clear the old time code and keep it in learning mode to learn the new time code from a transmitter once the reset key is pressed. The learning process should be by placing a pair in a shielded box or by keeping the pair far away from any other sets in order to avoid any interference from any other pairs of receivers and transmitters.
- d. The learning process takes 15 minutes to learn the time code for the handshake.
- e. Transmitter sends the data every 15 minutes.
- f. The LCD of the receiver will display “-E-“ when the receiver cannot receive any signal for more than 8 consecutive times.

5. Configuration (Industry Design)

