

Specifications/Installation HAL-2000 Humidity Alarm Logger

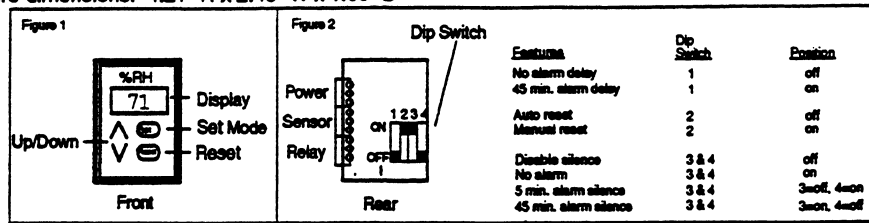
General Information-The HAL-2000 series Humidity Alarm Logger offers accurate humidity indication, adjustable setpoints and log of the highest and lowest humidity. Applications include: computer rooms, industrial, agriculture, scientific and medical.

Features

Sensor: Separate: see HS-50 or HS-70 series	Alarm relay output (1 A) and voltage output (AC)
Display: 0.56" high LED	Battery backup (battery not included)
Data logging: Records highest and lowest humidity	Alarm reset (switch, manual or auto)
Adjustable alarm setpoints (two)	Audible and visual alarms (flashing display)
Audible alarm silence button (adjustable)	Alarm delay (selectable, 0 or 45 minute)

Specifications:

Power requirements: 12 or 24 Vac, 12 or 24 Vdc, 1.5 VA
 Range: 0-100 %RH
 Operating ambient temperature range: 20° to 140°F (-6° to 60°C)
 Accuracy: ± 2 %RH between the range 15 to 95 %RH. Can be calibrated for other ranges
 Enclosure dimensions: 4.21" H x 2.48" W x 1.00" D



Programming

A. ALARM SETPOINTS - Press "Set Mode" switch. The alarm will display "HSP" (High Alarm Set Point). Press the "Set Mode" switch again to display the current "HSP" value. To program an increase or decrease in the "HSP" press the appropriate "Up/Down" switch. Repeat this procedure for "LSP" (Low Alarm Setpoint).

B. HIGH and LOW DATA LOGGING - Following the Alarm Setpoints the "Set Mode" Switch will display "HI" (High Humidity Log) and "LO" (Low Humidity Log). This is the highest and lowest humidity recorded since the "Reset" switch was pressed. Pressing the "Reset" switch, while viewing the data, will reset these values to the sensor humidity.

IMPORTANT: If the programming sequence is interrupted for more than fifteen seconds, or not completed through to the point where the display flashes once, the unit will automatically revert back to the humidity sensor display mode, WITHOUT acknowledging any new values (tamper resistant).

C. ALARM SILENCER - Press the "Reset" switch to silence the audible alarm.

D. The ALARM DELAY, SILENCE TIME INTERVAL and ALARM RESET are all adjustable using the dip switch on the rear (see figure 2).

E. BATTERY BACKUP - A 9 volt battery (not included) will allow you to read the display by pressing the "Reset" switch and the unit will transmit an audible alarm. If battery is low or absent, three dots will light on front of display.

F. MANUAL RESET option requires user to press "Reset" switch to stop audible/visual alarm even if humidity has returned to normal conditions.

G. All dip switch functions should be set before powering the unit.