

# INSTALLATION INSTRUCTIONS

## SC90-Z REMOTE DIGITAL DISPLAY

### APPLICATION

The SC90-Z Remote Digital Display is designed to operate in conjunction with SC90-C and SC90-D ON/OFF differential temperature controllers. The SC90-Z provides continuous "real time" indication of up to seven (7) different temperatures. The LCD display indicates temperatures from 0°F to 212°F. Temperatures lower than 0°F will be displayed as 000 and temperatures higher than 212°F will be displayed as 888. (Centigrade models are also available.)

### OPERATION

Temperature indications are obtained by depressing the appropriate button on the display. The SC90-Z will continuously monitor and display the temperatures corresponding to the locations selected by the depressed buttons.

Standard SC90-Z displays are available in four input models with the following push button positions:

**COLLECTOR**

**STORAGE**

**AUXILIARY 1**

**AUXILIARY 2**

Directly beneath the display window is a yellow light which illuminates whenever the output relay of the SC90 controller is energized. During daylight hours, illumination of this light indicates the solar system collecting solar heat. During night time hours or cloudy and cold days, illumination of the light indicates the solar system is providing "recirculation freeze protection". Only recirculation type systems will cause illumination of the yellow light during non-solar collecting periods.

### DISPLAY MOUNTING

The SC90-Z must be installed by a trained and experienced service technician and installed in accordance with NEC and local codes.

The SC90-Z is designed for wall mounting. As shown in figure 1, the SC90-Z has a combination mounting subbase and terminal wiring base which mounts directly to a wall via three mounting screws. Select a wall location that easily permits the running of power supply and sensor wires through inner wall spaces. The subbase of the SC90-Z is provided with a wire insertion hole which permits insertion of wiring from the back side of the subbase.

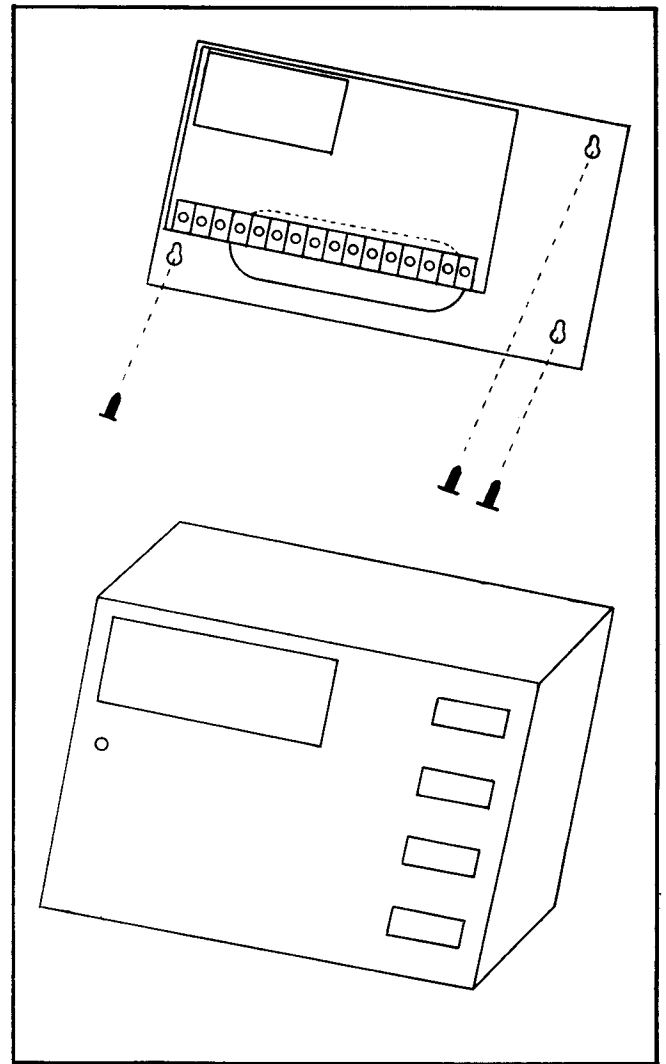


Fig. 1 SC90-Z Mounting Diagram

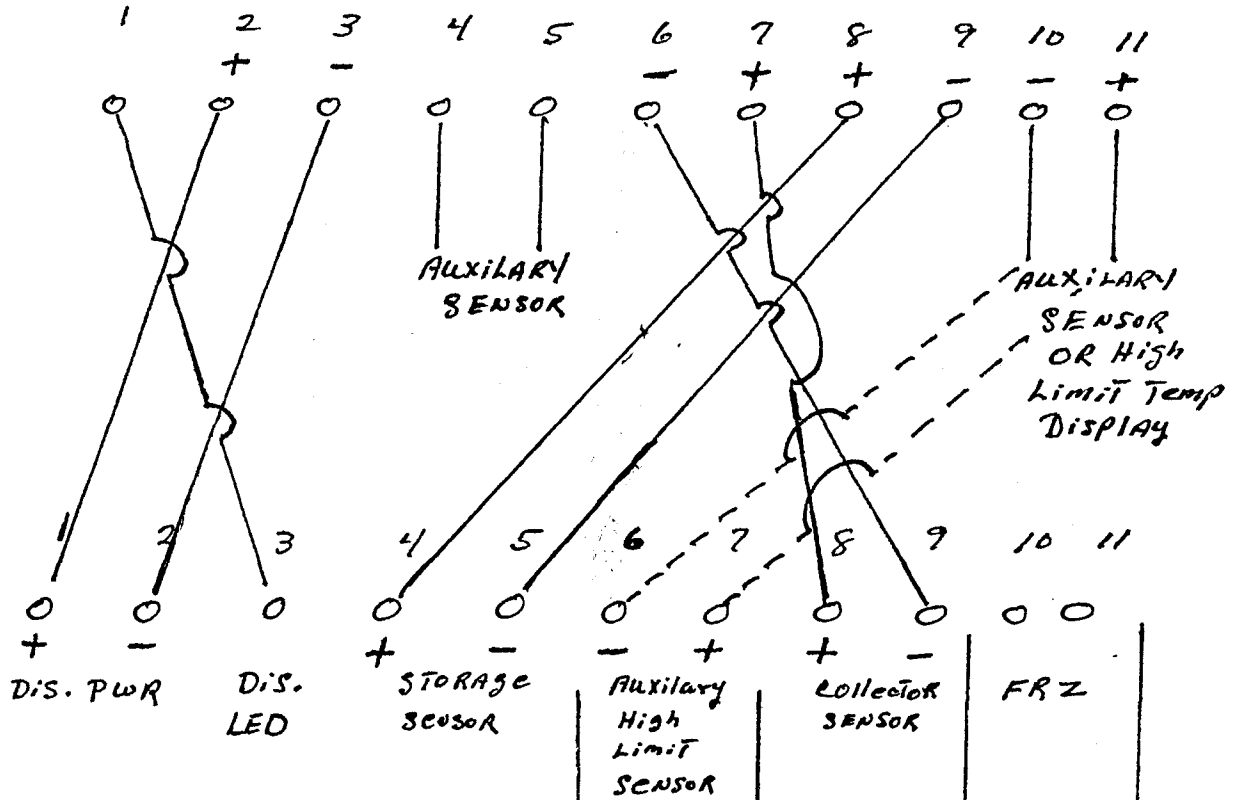
### DISPLAY WIRING

Insure all power to the SC90-C or SC90-D controller is disconnected before making wiring connections to the SC90-Z remote display.



REMOTE  
READOUT

CONTROL



# DYNATECH WIRING GUIDELINES

CAN BE  
USED IF  
UNIT IS  
EQUIPPED  
WITH  
3 PIN  
SELECTOR  
SHL  
AHL

CAN BE  
USED IF  
UNIT IS  
EQUIPPED  
WITH #  
RY2  
RELAY

MAY BE  
CONNECTED  
TO REMOTE  
READOUT  
IF WIRED  
AS  
INDICATED