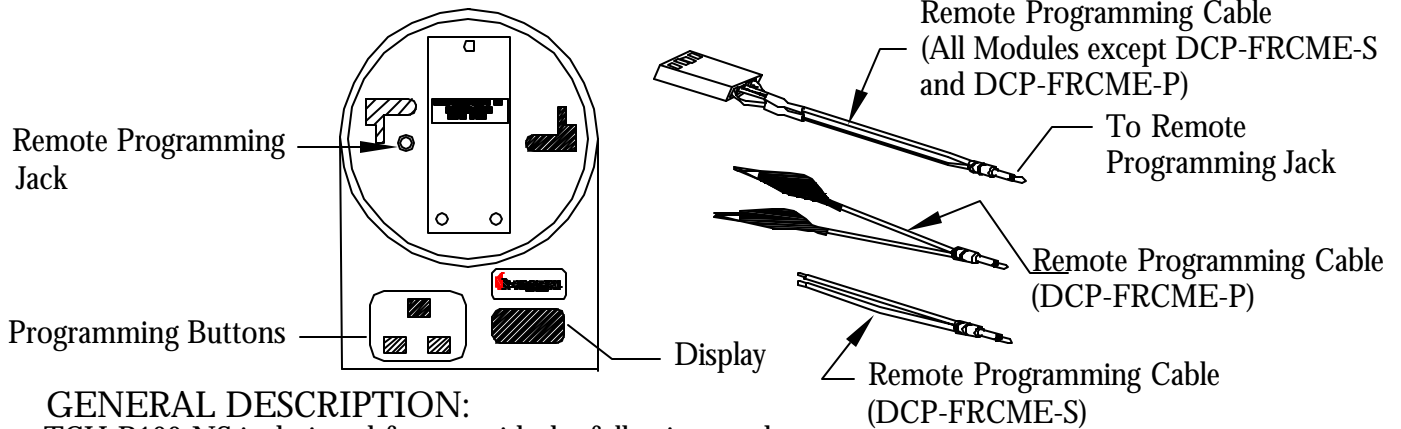




## TCH-B100-NS PROGRAMMER OPERATING INSTRUCTIONS



### GENERAL DESCRIPTION:

TCH-B100-NS is designed for use with the following products:

ALG-V/ALG-EA	Analog Photoelectric Smoke Sensor
AIE-EA	Analog Ionization Smoke Sensor
ATG-EA	Analog Heat Sensor
FRCME-4	DCP Fast Response Contact Monitor
FRCME-P	DCP Fast Response Contact Module (Flying Leads; No Terminal Block)
FRCME-S	DCP Fast Response Contact Module (Terminal Block)
SOM	DCP Signal Output Module
R2M	DCP Dual Relay Module
CZM	DCP Conventional Zone Module
DIMM	DCP Dual Input Monitor Module

### PROGRAMMING BUTTONS

LEFT GRAY BUTTON	Power on. Automatically reads the address of a sensor. Subsequent operations will advance the device address by ten.
RIGHT GRAY BUTTON	Power off. Advances the device address by one.
RED BUTTON	Stores the displayed address to the device and is used to read sensor analog levels.

*NOTE: PRIOR TO PROGRAMMING ENSURE BATTERY IS CONNECTED.*

#### ADDRESS SETTING:

1. Install sensor onto programmer, ensuring that sensor protrusions align with programmer grooves.
2. Press the left gray button to switch programmer on. A battery check message will appear followed by the devices address ( un-programmed sensors will read address 127).
3. Set the required address by incrementing the left and right gray buttons (the display will show three red flashing dots if the address being programmed is different from the device's current address).
4. When the desired address is present press the red button to store that address. The three red dots on the display will no longer be present.

1. Install the sensor and power up programmer as previously described on page 1.
2. Press the "Red" button. An "A" will appear on the display followed by the analog value. The value will be continuously updated for three minutes.
3. The "ALG" photoelectric sensor should have a value displayed of between 56-63. The "AIE" ionization sensor should have a value displayed of between 52-73.

Values out of these ranges indicate that the sensor chamber has become contaminated. Refer to technical bulletin "HA-96" for proper servicing instructions or return sensor to factory for servicing.

E6 - Fail during Analog value reading.

FRCME-4, SOM, SRM, R2M, DIMM AND CZM ADDRESS PROGRAMMING CONNECTION AND INDICATOR

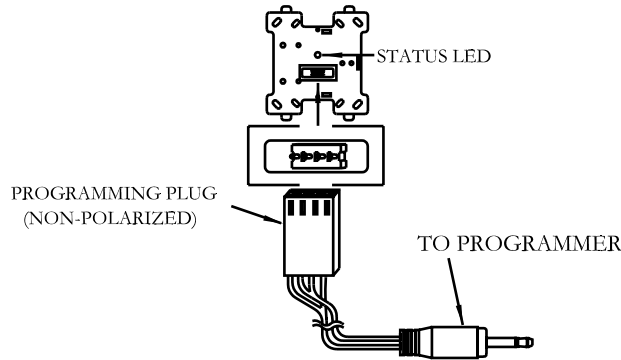


FIGURE 1.

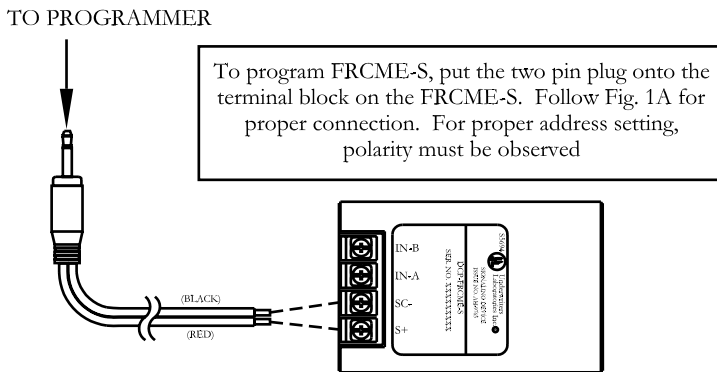


FIGURE 1A.  
FRCME-S PROGRAMMING CONNECTIONS

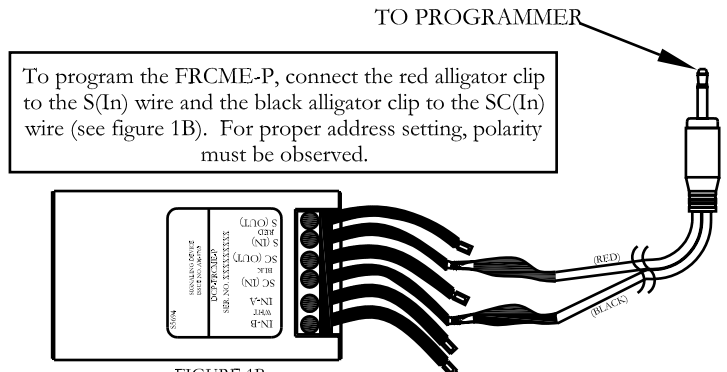


FIGURE 1B.  
FRCME-P PROGRAMMING CONNECTIONS