INSTRUCTIONS

CIRCUIT BREAKERS FOR FIRE PUMP CONTROLLERS

DESCRIPTION

These devices are designed to meet the circuit breaker requirements of the National Fire Protection Association (NFPA-20) for fire pump controllers.

1. Motor Full Load Current Setting Adjustment

The motor full load current setting on the front of the circuit breaker is the only adjustable setting. It should be adjusted as follows:

a) Read the motor full load current from the motor nameplate.

b) Set the circuit breaker adjustment to the motor full load current. If the exact value is not shown, use the next higher setting.

c) To change the adjustment, turn the knob counterclockwise until the knob is disengaged. Move the knob to the desired position and tighten securely by turning clockwise. Use finger pressure only (no tools).

2. Time Delay Trip Function

The circuit breaker has a built-in time delay function that will permit substantial overloads to exist for a period of time. The circuit breaker is designed to pick-up (begin timing toward a trip function) at a minimum of three times (3X) the motor full load current setting. At six times (6X) the motor full load current setting, the circuit breaker will trip within 20 seconds.

3. Instantaneous Trip Function

The instantaneous trip function provides immediate (no intentional time delay) interruption of overloads greater than eleven times (11X) the motor full load current setting.

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