

**GENERAL INFORMATION**

## PARAMETERS

Programmable parameters:

- ◆ Motor rated current
- ◆ Motor rated voltage
- ◆ Motor rated frequency
- ◆ Clean trigger points
- ◆ Clean durations: forward, reverse, and stopping times
- ◆ Direction changes
- ◆ Overloads and protection parameters

Operating parameters:

- ◆ Output current
- ◆ Output voltage
- ◆ Output frequency
- ◆ Trip cause
- ◆ Motor run time
- ◆ Output voltage
- ◆ Total 3-phase output power in kW
- ◆

## **WIRING AND TERMINATIONS**

- ◆ All conductor insulation will be rated 600 V ac. Minimum conductor size for control circuits will be No. 14 AWG.
- ◆ Wire bundles will be secured with either wire ties or high temperature plastic wireway anchored to the assembly.
- ◆ DTC Device will be as manufactured by Clearwater Controls or approved equal.
- ◆ PCB's will be conformal coated and prepared for H2S environments

## **TESTING**

### **GENERAL INFORMATION**

Factory and field testing of all DTC devices specified in this section of the Special Provisions will be as specified herein and in Section 16A.

Prior to assembly, all modules will be separately tested.

The following tests will be performed on each DTC device:

- ◆ Functional testing to determine proper operation of the following devices:
  - ◆ Indicating LEDs and alarms
  - ◆ Protective devices
  - ◆ Local control devices
- ◆ Testing the DTC operation in response to the input from an external source of 4 to 20 mA.
- ◆



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