

Data Sheet

 English (EN)

Product: Mains Voltage Control Unit in Mild Steel 6 Channel (P159CF, 110V)
Product Code: GHT 8003

The Mains Voltage Control Unit is ideal for furnace requirements. The unit is housed in a robust mobile steel frame and has been designed for easy use and maintenance.

The Mains Voltage Control Unit requires a 380 Amp supply at 380-440V which is then divided into 6 Channel with a maximum of 63 amp per phase, ideal for 4 Bank Elements. The technician has the ability to isolate any of the 18 heating circuits individually by the means of 3 x 63 Amp over-current devices on each channel. Each single heating circuit is fitted with ammeters enabling the technician to easily monitor the heating outputs and identify faults. Switching of heating load is by means of 2 triple pole contactors per channel to provide extra protection and failsafe.

It can be used in conjunction with a six channel programmer such as PTC160 6 Way Temperature Programmer or P256 6 Channel Automatic Controller via connection through the Bulgin connector to implement 6 way controlled heat treatment. The programmer operating voltage should be 110V.

For auxiliary use, 2 x 110Vac 5A output sockets are fitted for programming and recording devices (see separate datasheets for these products).

The unit is also fitted with an Emergency Stop Facility.

Technical Specification

Primary Input: 380V-440V
6 Channels: Each channel with energy regulator, mini controller, ammeter on each channel phase, auto/manual sector switch and neon indicator.
Protection: Each channel phase with 63 amp circuit breaker & Earth Trip Leakage System.
Switching: 2 x IMO (120 Amp) contactors fitted to each channel output.
Output: 220V—255V connected in 'star' between phases.
Capacity: 18 x 240V, 13kW 4 Bank Heaters
Auxiliary Sockets: 2 x 110V auxiliary sockets.
Dimensions: 80cm x 59cm x 137cm
Weight: 130kg
Unit of Sale: Each



Connection Information

Heating element connection equipment required:

6 x (GHT 6201/6211/6212) 30m/15m/10m Quad cable Sets c/w 5 pin plug and twistlocks.

6 x GHT 6202 Star Point Connectors.

18 x 240V 4 Bank Channel Heaters / Furnace Elements.

6 x Type 'K' SS Thermocouples or Type K Thermocouple Wire with Thermocouple plugs.

6 x Compensating Cable extension lead of equivalent length to the quad cable sets.

The thermocouple should be positioned in the most appropriate place in order to track the temperature of the job piece that is being heated.

