GUARDIAN CONTROLS
international

REFRIGERATION CONTROL & MONITORING

GC 1719 *3DEF*
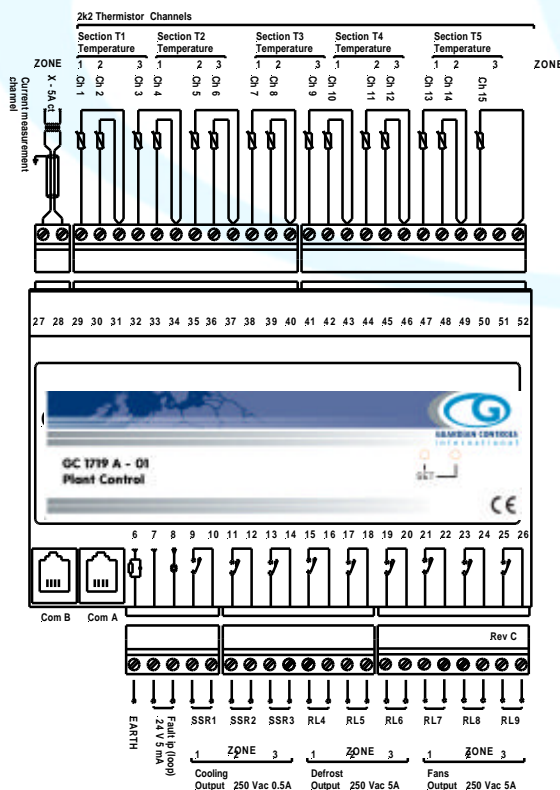
3-Zone 5-Section Solenoid Valve Case Control

- **5-section solenoid valve case control for 3-Zones**
- **Time scheduled defrosts** with time or temperature termination
- **Cooling, Fans and defrost** outputs for each Zone
- **Five section Temperatures** T1-T5 are available for each zone.
- **Zone cooling** is on average of temperatures fitted.
  Fault input alarm detects Fans or Compressor faults
- **Total Load Amps** measurement for 3 sections
- **LCD-8 panel** for display, alarms & setup of **8** units
- **Alarm monitoring and data logging** is available via RS485 *MODBUS* communication links to a '*Consultant*' or other Supervisory PC system.
- **Optional IPM-3 Internet Protocol communications**

H 86 x L 156 x D 59 mm

GC1719 Plant Control

Communications

Two independent serial links communicate all values and settings to a Guardian *'Consultant'* SCADA system and an optional *LCD-8* local setup and alarm monitor display panel.
Both links use RS485 MODBUS RTU protocol at 19200 baud. A **'SET'** lamp and button on the top of each unit allows setup of the Modbus Address.

3DEF 3-Zone, 5-section, solenoid valve Case Control

SPECIFICATION		GC1719
General		
Power		**24Vdc/ac 0.2A**
Operation		**0 to 50 °C**
Dimensions Height		**86 mm**
Length		**156 mm**
Depth		**59 mm**
Mounting		**DIN rail**
Connectors		
Terminals size type	47	5.08mm 2-part Screw clamp
Power and RS485	2	4-way sockets
Input/Output signals		
temperatures	16	2K2 thermistor (-40 to 40 C)
current input	1	XXX:5 Amp CT
fault input	1	contact (loop) 24vdc 5ma
control relays (n/o)	6	230Vac 3 A
SSR solid state relays	3	230Vac 0.5 A
Communications		
communication links	2	RS485 19200 baud
protocol	1	Modbus RTU
Approvals		**CE**
Order Part No.		**GC1719**

Options
LCD-8 Alarm Monitor panel provides LCD display and pushbutton selections for alarm indication, parameter setup and value display.
IPM-3 Internet Protocol (IP) module is available to provide Modbus over TCP /IP when local area network communications are required.