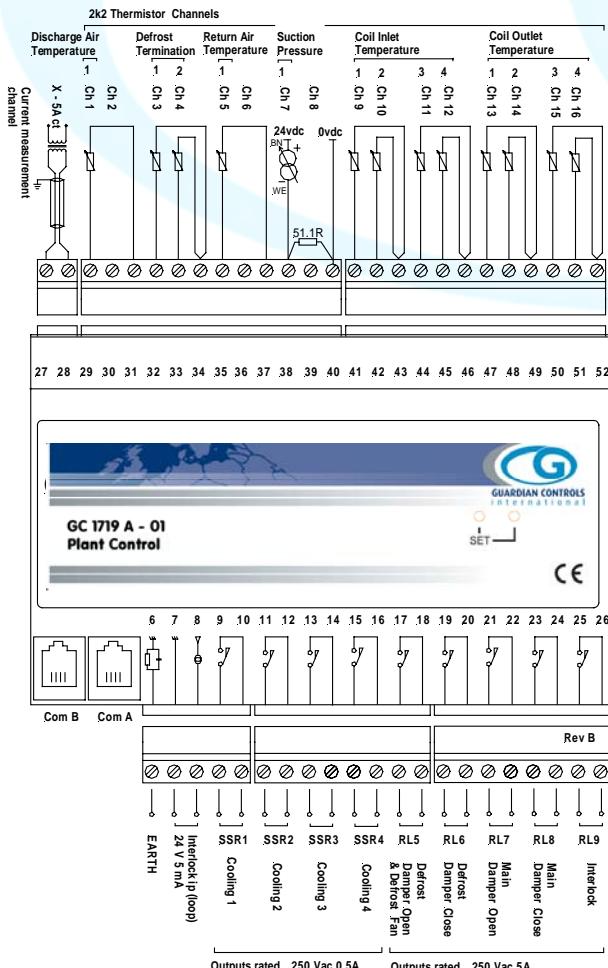


GC 1719 4-inlet Coil

Staamalo Plant Controller

- Discharge Air Temperature control** of one four inlet coil Staamalo unit using electronic expansion valve superheat control.
- Superheat** is calculated using either equivalent suction pressure or Coil-in and Coil-out temperatures.
- The four electronic expansion valve % open** are independently adjusted to optimize cooling performance and match the refrigeration load.
- Off-cycle defrosting** is automatically time-scheduled with defrost termination on time and/or coil temperature
- Defrost interlocking** between two similar 4-coil Staamalo units is available
- Main dampers** are opened or shut during cooling & defrost
- Defrost damper & Fan** are Open and shut during defrost.
- Alarm monitoring and data logging** is available via RS485 MODBUS communication links.

GC1719 4-coil Staamalo 4-Inlet Coil Superheat Control



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.

SPECIFICATION		GC1719	
General			
Power		24Vdc/ac 0.2A	
Operation			0 to 50 °C
Dimensions	Height Length Depth	86 mm 156 mm 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
Defrost interlock input		1	contact (loop) 24vdc 5ma
control relays (n/o)		5	230Vac 3 A
SSR solid state relays		4	230Vac 0.5 A
Communications			
communication links		2	RS485 19200 baud
protocol		1	Modbus RTU
Approvals			CE
Order Part No.		GC1719	

GC1719 4-Coil Staamalo Overview

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REFRIGERATION CONTROL & MONITORING



GC1719 4-Coil Staamalo Overview

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