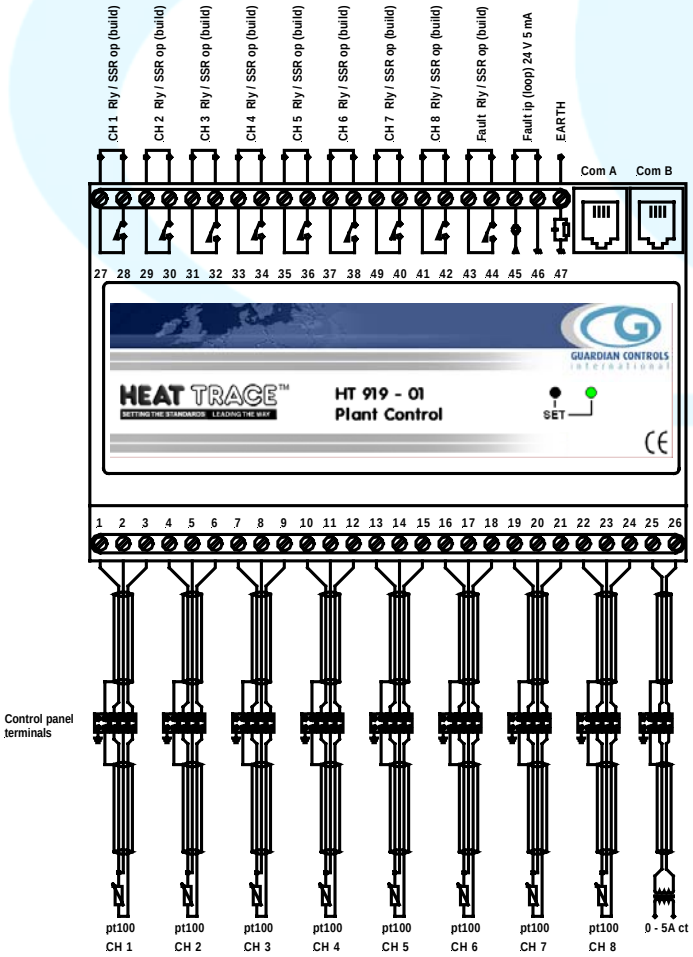
HT919

Heat Tracing Control

- **8 PT100 3-wire Temperature inputs**
- **1 Current input** from XXX:5 A CT
- **1 Fault contact input**
- **8 Heater relays** rated 230Vac 3 A
- **1 Fault relay (n/o)** rated 230Vac 3 A
- **2 Serial links** (2-wire RS485 Modbus RTU)
- **SET lamp and button for Modbus Address**
- **DIN rail mounting**
- **Fixed screw clamp terminals**
- **24Vdc operation**
- **Optional local LCD setup and alarm display**
- **Optional TCP/IP communications**



An optional IP module is available to provide Modbus over TCP /IP protocol when local area network communications are required.

Provides accurate measurement and energy efficient control for **eight** Heat Tracing circuits.

H 86 x L 156 x D 59mm

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Operation

The temperature of each heating circuit, measured by a PT100 probe, is compared against pre-set control setpoint limits and used to switch the heater relay ON and OFF. The unit supports 'Steam Out' facilities. Additional inputs are available for measurement of one current and a fault contact. The fault relay state changes whenever an abnormal condition is detected.

Periodically the current consumed by each circuit is sequentially measured and the kWh energy calculated. Fault input, out of limit values of temperature and load current generate the appropriate alarm actions.

Communications

Two independent serial links communicate all values and settings using RS485 MODBUS RTU protocol.

Serial link COM A may be connected to a Guardian 'Consultant' or other SCADA system.

Serial link COM B may be connected to the optional HTM-8 LCD display panel for local setup and alarm monitoring.

SPECIFICATION		HT919
Power		**24Vdc/ac**
Operation		**0 to 50 °C**
Dimensions	Height Length Depth	**86 mm** **156 mm** **59 mm**
Mounting		**DIN rail**
Connectors terrminals **Power and RS485**		**5.08mm Fixed Screw clamp** **2 x 4-way sockets**
Approvals		**CE**

Guardian Controls International Ltd. Email sales@guardian-controls.com
56, Crewe Road, Sandbach, Cheshire, England CW11 4NN. Tel +44(0)1270760599 Fax +44(0)1270766804