

Electrical Installation Requirements

Care should be taken to separate the power and signal cables to prevent electrical interference and possible damage due to inadvertent connection.

CE Conformance

This unit conforms with the relevant EU standards when installed according to the JTL Installation Requirements for this product

Use of Maintenance Unit

The controller can be checked and the operation adjusted using a JTL portable maintenance unit which plugs into the controller. Each item of information has an item number. The more important items are listed in the tables overleaf.

Examples:

To read item 11 press:    

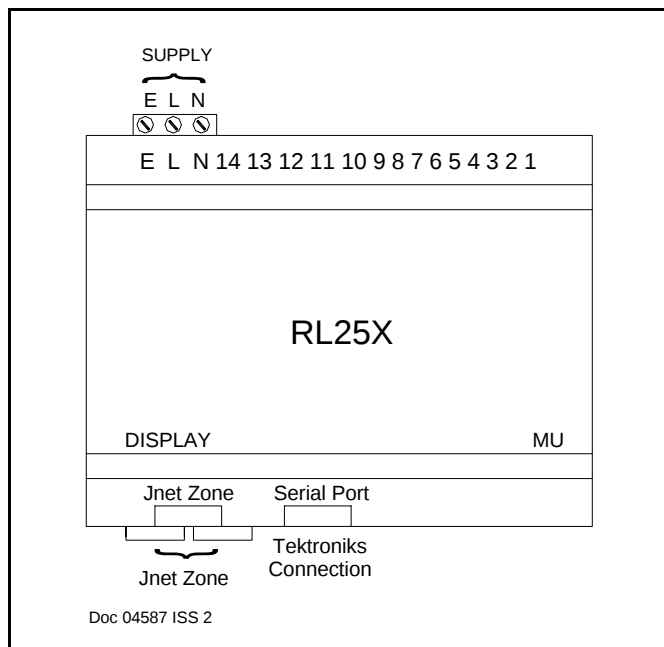
To set item 21.3 to & 20.0 press:

To correct errors press:



To select next or previous items press:  and 



Initial Commissioning and Bitswitch Settings

The controller has 1 set of data built in to its program for use during commissioning. Set item 9 to 1234. This loads into the controller a suitable set of data for initial commissioning. Adjustments should then be made as necessary.

The monitor communicates on a JTL network. The unit numbers for the 31 channels should be set on items 101, 102 to 131.

Temperature

The temperature indicated can be offset from the measured temperature to compensate for the position of the sensor.

The position of the sensor in the air off or air on can be indicated for maintenance use.

Alarms

Each temperature is monitored continually. Each temperature is averaged over period set for each channel. If the average temperature exceeds the alarm level or falls below the under temperature alarm level then an alarm is given, on the JTL alarm system.

Item Numbers

The monitor is a 31 channel unit. Items 0-99 are common. Items 210-219 and items 610-619 are for channel 1, items 220-229 and 620-629 are for channel 2, up to items 510-519 & 910-919 for channel 31.

ADJUSTABLE PARAMETERS			RL250 RL255
Item	Function	Range	Units
210, 220 to 510 101-131	Enable Channel Channel unit number	0=off 1=on 3= air off 5=air on 0.1 to 899.9	
213, 223 to 513 141 - 171	Temperature setpoint Temperature offset	-35 to +10 -5 to +15	°C k
218, 228 to 518	Over temperature tolerance	0 to +25	k
219, 229 to 519	Under temperature tolerance	0 to -25	k
215, 225 to 515	Averaging Period	00:02 to 4:00	hr:min

SENSOR DATA	
Item	Function
612, 622 to 912	Sensor no digits 99xxxxxxx
613, 623 to 913	Sensor no digits xx9999xxx
614, 624 to 914	Sensor no digits xxxxx9999
615, 625 to 915	Battery status
616, 626 to 916	Battery used %
610, 620 to 910	Sensor device number

OTHER USEFUL ITEMS	
Item	Function
101 - 131	Temperature including offset
212, 222 to 512	Temperature from sensor
214, 224 to 514	Average Temperature
216, 226 to 516	Alarm state
217, 227 to 517	Mode

Supply Requirements

230 V ac 48-62 Hz Supply 6 VA maximum inputs
2 mA maximum

24 Vac (optional)

Applicable Documentation

Item Numbers Firmware Variations
Doc No. 04439 Doc No. 04440

Connections Diagram
Doc No. 03822

Schematic Diagrams
Doc No. 04451 (RL250)
04835 (RL255)

Note: The information contained in this document applies to the current version of the unit supplied with it. Full operating manuals, item number and software variation information can be obtained from the supplier JTL Systems.



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.