GENERAL DESCRIPTION

In case of applications in industrial environments, the use of mains filters (our mod. FT1) is strongly recommended.

- Reduced interference with other devices.
- Improved power factor.

Consider the maximum current which can be applied to each relay (see Technical Data).

1. GENERAL WARNINGS

- Check the supply voltage is correct before connecting the instrument.
- It's possible to program the instrument in a quick and easy way.

2. SAFETY PRECAUTIONS

- The appliance (or the product) must be disposed of separately in accordance with local laws.
- Do not exceed the maximum current allowed on each relay. Before connecting cables make sure the power supply complies with the technical data.

3. ELECTRICAL CONNECTIONS

- The maximum allowed current for the power supply is 20(8)A 250V.
- The free voltage digital input is programmable in different configurations by the parameter.
- Alarms and (with iF=bL) recover as soon as the digital input is disabled.
- Probe alarms and start some seconds after the fault in the related probe; they last as long as the fault.
- The digital input polarity: oP= activated by closing the contact; cL= activated by opening the contact.

4. REGULATION

- The regulation in performs according to the temperature measured by probes. The instrument is provided with 1 microprocessor parameter which enables one to set the regulation parameters.
- The microprocessor controller is suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files. With the INSTRUMENT, is microprocessor based controller.

5. 3.3 DEPENDENCIES

- The free voltage digital input is programmable in different configurations by the parameter.
- Alarms and (with iF=bL) recover as soon as the digital input is disabled.
- Probe alarms and start some seconds after the fault in the related probe; they last as long as the fault.
- The digital input polarity: oP= activated by closing the contact; cL= activated by opening the contact.

6. 5.3 HEATING APPLICATIONS (Only XR01CX)

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.

7. 7.1 THERMOSTAT TEMPERATURE ( °C / °F)

- Resolution: 0.5°C/0.5°F
- Accuracy: ± 3°C/± 5°F

8. 8.1 ELECTRICAL CONNECTIONS

- The use of mains filters (use our mod. FT1) is strongly recommended.
- Reduced interference with other devices.
- Improved power factor.

9. 9.1 HOW TO USE THE HOT KEY

- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.

10. 10.2 ENABLING SECOND RELAY ON (iF=Au) (Only XR03CX)

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.

11. 11.5 TURN ON/OFF THE POWER (WITH iF=Hc)

- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.
- To exit SET MODE press + 3s.

12. 12.2 ELECTRICAL CONNECTIONS

- The maximum allowed current for the power supply is 20(8)A 250V.
- The free voltage digital input is programmable in different configurations by the parameter.
- Alarms and (with iF=bL) recover as soon as the digital input is disabled.
- Probe alarms and start some seconds after the fault in the related probe; they last as long as the fault.
- The digital input polarity: oP= activated by closing the contact; cL= activated by opening the contact.

13. 13.5 HOW TO PROGRAM THE HOT KEY FROM THE INSTRUMENT (UPLOAD)

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.

14. 14.3 CONNECTIONS

- The maximum allowed current for the power supply is 20(8)A 250V.
- The free voltage digital input is programmable in different configurations by the parameter.
- Alarms and (with iF=bL) recover as soon as the digital input is disabled.
- Probe alarms and start some seconds after the fault in the related probe; they last as long as the fault.
- The digital input polarity: oP= activated by closing the contact; cL= activated by opening the contact.

15. 15.2 ELECTRICAL CONNECTIONS

- The maximum allowed current for the power supply is 20(8)A 250V.
- The free voltage digital input is programmable in different configurations by the parameter.
- Alarms and (with iF=bL) recover as soon as the digital input is disabled.
- Probe alarms and start some seconds after the fault in the related probe; they last as long as the fault.
- The digital input polarity: oP= activated by closing the contact; cL= activated by opening the contact.

16. 16.3 FRONT PANEL DISPLAY

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.

17. 17.2 HIDDEN MENU

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.

18. 18.2 MODES AVAILABLE

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.

19. 19.3 FRONT PANEL DISPLAY

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.

20. 20.3 FRONT PANEL DISPLAY

- The XR03CX is a microprocessor based controller suitable for applications in the field of refrigeration or heating. It provides a relay output to drive fans and the compressor. The control algorithm is based on the temperature difference and is managed in the firmware and with the configuration files.