

1.3 Control Components

The control system for each room consists of a temperature sensor, a solenoid valve in the refrigeration line to the cooler; a fan and a heating element (defrosting) in the freezing rooms and cooling rooms with defrost.

The control includes the following:

- Compressor control
- Room regulation
- Defrost sequence
- Alarm system

PLC

A FX3N PLC and a MAC E1041 operator panel control the Provision plant.
The inputs on the PLC are both digital and analogue.
All outputs on the PLC are digital.

On the PLC there are LEDs indicating the status of the PLC inputs and outputs.

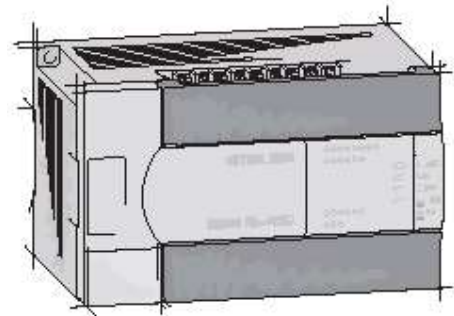
Four LEDs on the PLC front indicate the status of the PLC itself.

POWER	Is alight when control voltage is connected
RUN	Is alight when the program is running
BATT-V	Is alight when battery is missing or low voltage.
ERROR	Is alight/flashing when there is an error in the software or in the hardware.

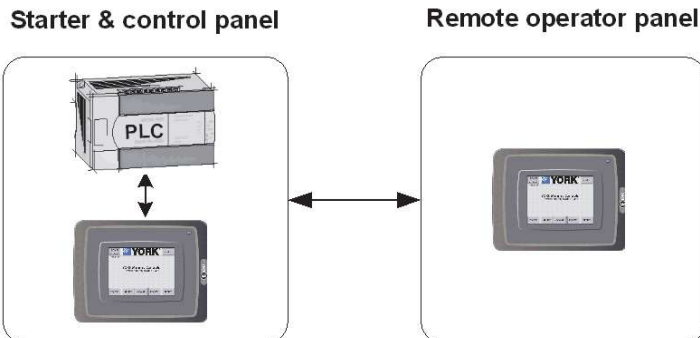
See technical documentation for further information.

Operator Panel

From the operator panel, the operator may start/stop all fans and compressors, all the measuring values can be read and the set point and limit values for the control may be entered.



See the technical documentation on <http://www.mitsubishi-automation.de/products.html> for further information.



Introduction

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File: c:\the project\668078\prp 5200 users manual 3.4.docx

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