

CRYOBANKCA

CryoBankCare

Control and monitoring system for the whole cryobank system



CryoBankCare system has been designed to manage cryobanks for biological applications.

CryoBankCare offers a lot of functions, user-friendly configuration and interface and allows reducing expensive customizations for each installation, typical of traditional control systems like PLCs.

Last generation technology and a specific design minimize the hardware provision and further reduce costs.

CryoBankCare supplies a large set of interfaces for the following devices and accessories:

- IRBD Infrared radars to detect the presence of operators inside the cryobank;
- TAG reader for access control management;
- O2 and CO2 sensors to monitor oxygen concentration and drive fans;
- Solenoid valves for cooling manifolds and filling backup tank;
- Bypass temperature sensors;
- Repeater systems for remote acoustic and visual alarms;

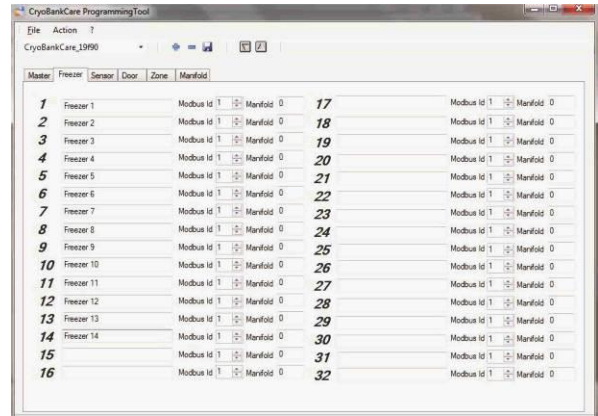
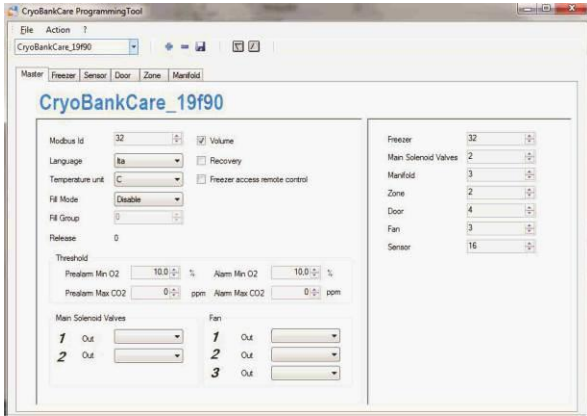
To ensure the best compatibility with the pre-existing systems and make the integration easier, the communication interface implements ModBus /RTU protocol.

CryoBankCare can be configured in few minutes and is designed to manage cryobanks with different architectures, up to:

- 32 Freezers;
- 4 Manifolds;
- 2 Zones;
- 4 Access Gates;
- 16 Environment Sensors;

A specific application **CryoBankCare PT**, allows an easy configuration of the control unit of the cryobank.

In order to get a first automatically set up, it will be enough to add the number of cryobank devices. If necessary it will be possible to modify it as the preference of the user.



Ambra Sistemi provides in addition a 3D Software **CryoBankCare SW**, which provides fast user-friendly configuration, real time status by graphic interface, historical database managing alarms, events, temperature trends, access, etc...

Remote control functions, like alarm status, are provided by short messages and/or e-mails.



We invite you to see CryoBankCare SW 3D video on Ambra Sistemi official YouTube Channel.

