BRC-001

Early Warning – Indoor Alarm Interface

One of the most generally usable early warning technologies is to use a public alarm system formed by electronic sirens installed in the endangered areas (e.g. the settlements around a factory or along the seaside, or even in the factories themselves).

In a typical city environment a large number of people may stay indoors in places like shopping malls, schools etc. While outdoor early warning systems are very effective in notifying people outdoor, BRC-001 indoor alarm interface can connect to existing building indoor audio networks and effectively alarm people.

Location

BRC-001 can be used in any building with already existing audio network or together with the installation of a new audio network.

BRC-001 comes in two forms:

BRC-001-R	Rack mountable version
BRC-001-S	Standard wall mountable version

Cost effectiveness

Counting the large number of people reachable in a busy building and the low implementation cost of utilizing existing building audio networks BRC-001 is a very cost effective public alarm solution.

Remote Control

The Control Room application enables the supervisor personnel to remote control the BRC-001 in full extent:

Remote monitor the status of the BRC – to be sure they are operable	
Issuing siren commands	single mode pre-defined group mode custom group mode

Notifications

BRC-001 can broadcast several types of notifications by remote control.

Pre-defined signals	Programmable dual-tone signal generation
Pre-defined speech stored in the BRC	Up to 9 speech notifications Up to 5 minutes per notification
Pre-defined speech stored in the Control Room Application	Practically unlimited number of notifications Up to 4 minutes length per notification
Live speech	Transmitted from the workstation microphone

Integration

The BRC-001 can be seamlessly integrated to the MoLaRi control room application providing exactly the same behavior as the outdoor sirens.
In the control room application the BRC's can even be the subject to a common group with the outdoor sirens – and the operator can issue the same notification to the in one command.

Connectivity

The BRC-001 is using TETRA as its main communication media for remote control, however its architecture allows to adapt different communication methods.

Connectors:

Back panel	
Line in	XLR/6.3mm jack combo RCA stereo
Line out	XLR/6.3mm jack combo RCA stereo
TETRA antenna	SMA
Front panel	
Programming interface	Mini USB
Headphone	3.5mm jack

Potentials

A building audio network equipped with a BRC-001 could provide several applications:

Remote operation from a control room by authorities like civil protection in case of any hazardous situation, like people should leave a building because of any danger occurring within the building or people should stay in the building because of a hazard occurring outside of the building.
Take over the control of the audio network onsite from pre-authorized TETRA handheld by for example policeman. In this case the officer on site could inform the people effectively by immediate live speech reacting in a very short time to the situation they are handling.

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