

Acoustic Remote Terminal Unit

Control of indoor sound (PA) systems and their integration into a common warning system

The aRTU acoustic remote terminal unit effectively addresses the need to easily connect and integrate an existing public address (PA) system into a comprehensive warning system from the Telegrafia company.

With the aRTU, the existing PA system can be used indoors or outdoors to broadcast live-voice announcements, pre-recorded voice messages or warning signals from the unit's internal memory. This solution eliminates the necessity of building two independent public address systems: one for regular use and one for emergencies.



Key features

Flexibility

- Ability to reproduce both live and pre-prepared messages or warnings from the unit's internal memory
- Ability to upload new messages to the device remotely
- Multiple-device control
- Analogue or digital radio connection or the Ethernet connection



Safe operation

- Self-diagnostics with fault status reporting
- Remote device diagnostics
- Automated control of individual components
- High-quality components in a durable stainless-steel box
- Backup power supply from built-in batteries



Cost savings

- Possibility to use the existing PA/sound system
- Low-power operation with low power consumption



Advanced technology

- Digital audio signal processing
- Text-To-Speech function
- CAP (Common Alerting Protocol) support
- Protection against unauthorized use
- Intelligent battery management, including solar charging capability



Control

The aRTU can be easily integrated with powerful electronic sirens and other elements of the early warning system. It can be controlled in several ways: remotely via **Vektra® Warning** software, locally via the **OCP16** or **LCU15**, or via other control panels through various communications channels. An analogue radio, digital radio or Ethernet can be used for communication.



Vektra® Warning

LCU15



OCP16

Technical parameters

Number of warning and voice recordings	100
Overall recording length	min. 16 hours
AC input voltage range	90 V – 264 V AC / / 50 Hz – 60 Hz
Standby power from the mains	< 13 VA
Maximum power from the mains (during the charging process)	330 VA
Maximum battery charging current	5 A
Working temperature range	-25°C to +65°C
Recommended battery	2 x 12 V / 26 Ah
Device box weight (without batteries)	21 kg
Device box dimensions (L x H x W)	600 x 400 x 355 mm
Device box IP rating	IP54 or IP66



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