

Fire



CFDAU30

Addressable Voice Alarm System

COOPER Safety

The CFDAU30 is a new Voice alarm system from Cooper Fire, an innovation which combines the Cooper analogue addressable fire detection panel functionality and sophisticated cause and effect programming with the very latest voice alarm address technology.

Up to 20, CFDAU30 can be installed per loop and can be connected to any Cooper addressable fire detection panel. The CFDAU30 has in build short circuit isolators and can be either hard addressed using the Cooper hand held programmer or soft addressed by the Cooper addressable panel.

The CFDAU30 delivers clear, intelligible voice alarm messages too ensure reliable and consistent protection for both life safety and property. (It is well documented that only 13% of people react to bells, whilst 70% react to a voice message).

The CFDAU30 has been developed to replace sounders and speech sounders in many applications where voice alarm would be preferable. The CFDAU30 is a complete VA system in a single, wall mounted box and comes complete with, 3 pre-recorded messages, fire interface, dual 30W monitored amplifiers, power supply, monitored battery charger and inputs for non monitored paging and music.

Features

- > BS5839 Part 8 Compliant
- > EN60849 compliant
- > Dual 30W 100V line outputs
- > Built in short circuit isolator
- > 3 messages (65 seconds)
- > Soft addressing
- > Emergency microphone in fire interface (with reset)
- > Common fault out
- > Paging input
- > Operates on CWZ fire cables
- > Full fault monitoring
- > Battery maintained
- > Network version available

Technical Specifications

Audio Outputs

Circuits	2 off 30W RMS
Level	100V RMS (+40dBV)
Bandwidth	80Hz to 18KHz
Monitoring	DC end of line
Fault indication	Open, Short, Earth

Inputs

BGM	
Sensitivity	-6dBV to +2dBV
Remote Pot Value	10K Ω

PAGE

Sensitivity	-6dBV to +4dBV
Ptt Type	5V to access

Fire Interface

Inputs	3 off isolated +12V to +33V (Alert, Evacuate, Reset)
Outputs	1 Relay (open on fault)

Fire Microphone

Audio Sensitivity	0dBV Balanced
Control Inputs	Monitored triggers (PTT, MSG1, MSG2, CNCL) 5V active.

Power Supply

Mains	230VAC $\pm 10\%$
Battery	24V nominal
Charger Type	Constant Voltage
Charge Voltage	27.6V
Charge Current	1.1A
Aux Supply	1A
Quiescent Current	440mA (both Channels active) 60mA (Mains off)

Standards Compliance

EMC	EN55103-1, EN55103-2
LVD	EN60065
Product Family	EN54-16, EN54-4

Physical

Height	220mm
Width	430mm
Depth	120mm
Weight	8.5kg
Material	Zintec Painted, ABS lid
Colour	Light Grey/ Dark Grey

Speaker Monitoring

The speaker circuits are DC monitored for simplicity, allowing speaker circuits to be commissioned using a simple multi-meter. Each speaker requires a blocking capacitor, this is typically 1uF 250VDC for ceiling speakers and 2.2uF 250VDC for Horn Speakers.

Messages

All messages are Windows™ WAV files, and are up loaded to the on board Flash memory using a specially developed PC application and a serial port (including USB types).

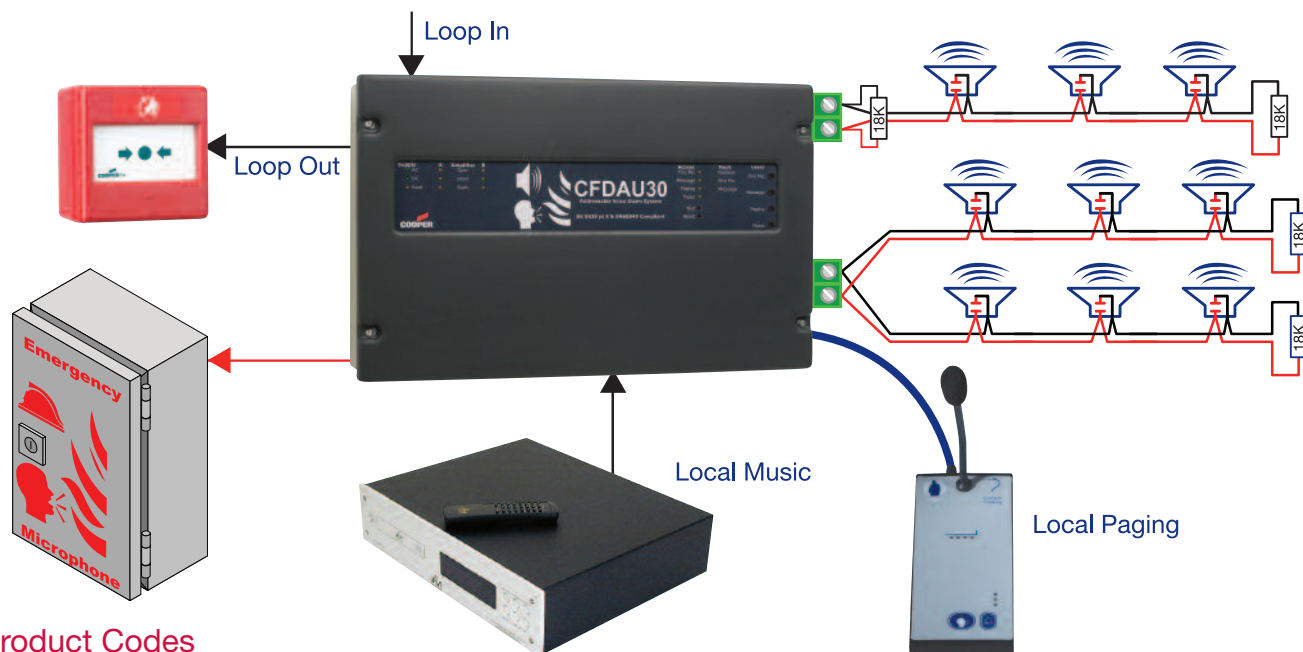
The unit holds three messages, with a combined playing time of over 65 seconds.

Cables

Cables between the Fire Panel, Emergency Microphone and Speakers must be fire rated for standards compliance.

The system is designed to run with all CWZ rated cables including Mineral Insulated types, for maximum run lengths consult the chart.

Each speaker circuit can have up to two spurs as shown below for maximum flexibility.



Product Codes

CFDAU30 | Distributed amplifier unit

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