

DVC-RPU

Remote Paging Station



Voice Control Systems

General

The DVC-RPU is a digital Remote Paging Unit for applications that require a compact remote paging station for emergency, fire, or general paging, initiation of automatic messages, vectored pages, and control capabilities for up to 24 points. One or many DVC-RPUs can be installed on the Digital Audio Loop of a DVC, each taking up one DAL address. Large systems can be configured with hundreds of DVC-RPU stations using multiple DVCs on **NOTI•FIRE•NET™**. The use of wire media is supported by the base product, and multi-mode fiber, single-mode fiber, or hybrid combinations can be configured using DS-FM series fiber conversion modules.

A DVC-RPU paging station may be configured using the following separately orderable components.

- DVC-RPU, which includes the keypad/display
- CMIC-RP microphone and microphone well
- CAB-RP(R) small wall mounted cabinet

The CAB-RP(R) is intended for MNS/ECS applications that call for a small, wall-mounted cabinet. Alternate solutions are configured using CAB-4 series cabinets.

NOTE: The term “DVC” refers to the DVC-EM (Digital Voice Command, Expanded Memory).

Features

- DVC Programming for associated DVC-RPUs is accomplished using VeriFire® Tools version 6.7 or higher.
- Up to three programmable message priority levels determined by site programming may be used to allow high-priority emergency pages to override lower priority general pages.
- 24 programmable buttons may be used for a range of functions, including:
 - Control for vectored pages.
 - Control for HVAC shutdown, door release, or other emergency functions.
 - Initiation of recorded messages and other event annunciation.
 - Annunciation of activation or trouble for audio zones or other points.
- Electrically isolated digital audio ports for direct connection with up to 32 Digital Audio Loop (DAL) devices. Style 4 or 7.
- Optional DS-RFM, DS-FM, and DS-SFM fiber modules may be used to convert one or both Digital Audio Ports for operation with single-mode or multi-mode fiber.
- Up to 32 DVC-RPUs are supported per DVC. Each DVC-RPU assumes one DAL address.
- Distribution via **NOTI•FIRE•NET™** of one channel of standard-level paging audio on **NOTI•FIRE•NET™**.
- Can be configured with the CAB-RP(R) and CMIC-RP to create a small wall-mounted remote paging station with control functions.
- CAB-RP(R) cabinet includes provisions for custom labeling. Labels included with each DVC-RPU (for use with AHJ approval) are “MASS NOTIFICATION” and “HVAC EMERGENCY SHUTDOWN.”



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Installation Options

- **CAB-RP(R):** The DVC-RPU can be installed in a CAB-RP(R) cabinet with a CMIC-RP microphone and well. The CAB-RP(R) has provisions for mounting an STS-200 tamper switch (requires external monitoring such as FMM-1).
- **CAB-4 Series:** The DVC-RPU can be installed in a CAB-4 series cabinet using a CA-1 chassis and a CMIC-1 microphone and well. A DPA-1 dress plate is required with this configuration.

Standards and Codes

The DVC-RPU and associated components comply with the following standards:

- NFPA 72 2002 National Fire Alarm Code.
- Underwriters Laboratories Standard UL 864, 9th edition.
- Standard of Control Units for Fire Alarm Systems.

Listings and Approvals

The listings and approvals below apply to the DVC-RPU, CAB-RP(R), and CMIC-RP. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S635.
- **CSFM:** 7165-0028-0224 (with NFS2-3030).
- **Fire Dept. of NY:** COA#6114 (with NFS2-3030).

Product Line Information

DVC-RPU: Digital Voice Command Remote Paging Unit. Includes the keypad/display. Supports twisted-pair wire media; use DS fiber modules for fiber media.

DVC-EM: Required control for the DVC-RPU. The DVC-EM is a digital audio processor with message storage for up to 32 minutes of standard quality (4 minutes at high quality) digital audio. Supports twisted-pair wire media; use DS fiber modules for fiber media. See DN-7045.

DS-RFM, DS-FM, DS-SFM: Fiber conversion modules allow for multi-mode fiber, single-mode fiber, or hybrid connections to DVC or other DAL devices. See DN-60633.

CAB-RP: Black, single row wall-mounted cabinet for the DVC-RPU. The door provides a clear view of the interior, and is hinged downward to provide unimpeded user access from any direction. NOTIFIER key lock can be replaced with included thumb-turn latch (keyless entry is not intended for UL 864 remote microphone applications, requires AHJ approval). A mounting location for an STS-200 tamper switch (ordered separately) is provided. The CAB-RP can be used to house a DVC-RPU and a CMIC-RP. Alternately, the CAB-RP has two mounting locations that can be used for ACM-24AT or AEM-24AT annunciators or a BMP-1 Blank Module Plate. An RM-1 remote paging microphone can be installed on the right side of the CAB-RP for applications where the DVC-RPU is not used.

CAB-RPR: Red version of CAB-RP.

CMIC-RP: Microphone and microphone well for the CAB-RP cabinet.

TR-RP: Trim Ring for semi-flush mounting CAB-RP(R).

CAB-4 Series Enclosure: Backbox and door for fire alarm control panels and peripherals. *See DN-6857.*

CA-1: Chassis, occupies one tier of the CAB-4 Series enclosure. The left side accommodates one DVC-RPU or DVC-EM with a DVC-KD. The right side houses a CMIC-1 microphone and its well (*optional*).

CMIC-1: Optional microphone and microphone well assembly used with the CA-1 chassis in a CAB-4 series cabinet.

DPA-1: Dress panel, can be used with the CA-1 chassis in a CAB-4 series cabinet when configured with a DVC, DVC-KD, and CMIC-1.

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