

Digital firefighter microphone DCSF12 redundant



Part-No. 583503.RE

Part of the EN 54-16 approval

In many installation codes it is necessary to have redundancy in critical signal routes like speaker cables (Loop or AB cabling), between fire panel and the PAVA system. In some installation codes this includes also the connection to the fire men paging microphone. For very good reason, because if the connection to the call station is lost, there is no way for any live announcement to people which are potential or actually in high danger.

Our paging station also supports redundant cable connection to two separate Comprio (not standalone Version of Comprio) or DOM's which means it's possible to connect two cables (CAT5) to one paging station. The digital paging microphone DCSF12 serves for the selection of loudspeaker circuits and for setting off speech announcements as well as various gong or alarm sounds. It features 12 freely configurable keys, 13 LED and a hand-held microphone. The paging microphone is connected with our DAL (Digital Audio Link) bus to a Comprio or DOM by means of a standard CAT5 cable. All audio signals and all control signals are transmitted digitally. The function of the digital paging microphone is permanently acoustically monitored.

Up to four DAL bus links can be connected to a DOM. Every digital call station in the system can simultaneously generate and receive different voice transmissions and control signals. A digital paging microphone can be offset up to 300 m by means of a CAT5 cable. Extension to a greater distance is possible with fiber optic (FO) cables - see respective FO converters which are needed additionally. Also a connection with FO cables can be done redundant. If more keys and/or LEDs are needed, it is possible to add up to six digital key modules (DKM18), which allows the increase of the total number of available keys and LEDs to 120 per call station.

Features:

- High failure safety due to redundant transmission route
- Hand-held microphone with built-in loudspeaker and acoustic microphone monitoring
- Permanent monitoring of the line to the next interface module
- 24-bit AD/DA converter
- 12 freely configurable keys
- Additional LED programmable in yellow or red
- Can be used redundantly as well as non- redundantly

Ambient temperature	-5 °C ... 55 °C
Air humidity	15 ... 90 %
Color	gray, similar to RAL 7037
Weight	approx. 1.6 kg
Dimensions	W: 134 mm H: 40 mm D: 196 mm



In order to protect from unintentional key press, a transparent key cap is available. Pressing of keys is only possible with open caps. Each cap will protect three horizontal keys.



A 3 m long CAT5 cable for connecting the digital communication unit to a wall jack, is included in delivery.

Accessories:

- 583506 Digital push-button module DKM 18 for redundant call stations
- 583311 Keyboard protection for call station DCS VARIODYN D1
- 583316.21 FO conversion for OIM control panel VARIODYN D1
- 583317.21 FO conversion for digital call stations DCS VARIODYN D1
- 583315.02 PSU for FO converter DCS O VARIODYN D1
- 583307 Wall junction box for call station DCS VARIODYN D1
- 583318 Substitute key caps (PU 12 pieces)
- 583709 Blind cover for the installation of a DCSF12 or a DCSF1 in the upright cabinet
- 584961 Enclosure for one FB call station DCSF
- 584962 Enclosure for two FB call stations DCSF