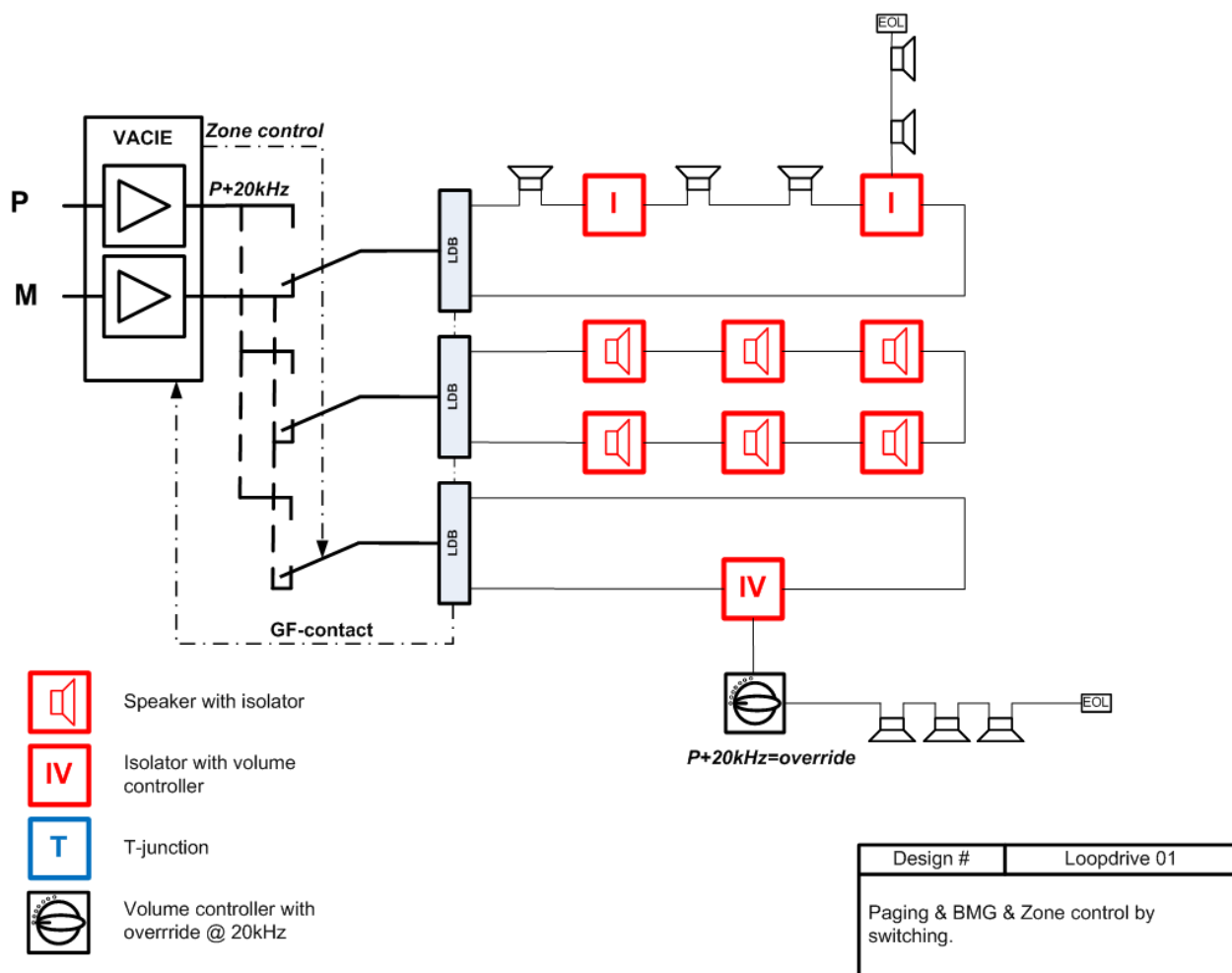


Field Isolator Module - FIM-VC - Tutorial



Zone switching by relays & local volumecontrol with general-call override:

Paging and Music broadcast using LDB and amplifier switching at the VACIE. LDB is distributing audio over the loop. Music volume is controlled by the local volume-controller(s) with paging-override function. (Two-wire system)

During Paging, VACIE controls zone-switching, by relays, and switches the Paging zones (LDB's) to the Paging amplifier. The LDB also detects any transmission-path fault between amplifier & LDB.

The Paging amplifier sends a 20kHz signal together with the Paging broadcast to activate the override-relay in the volumecontroller(s).

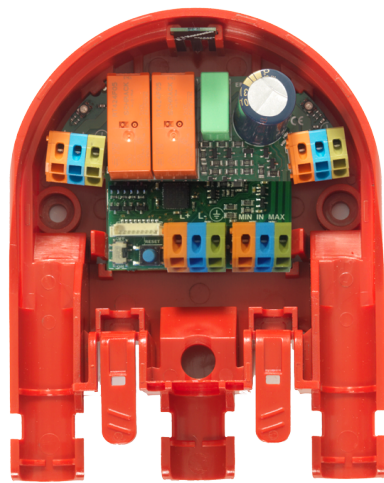
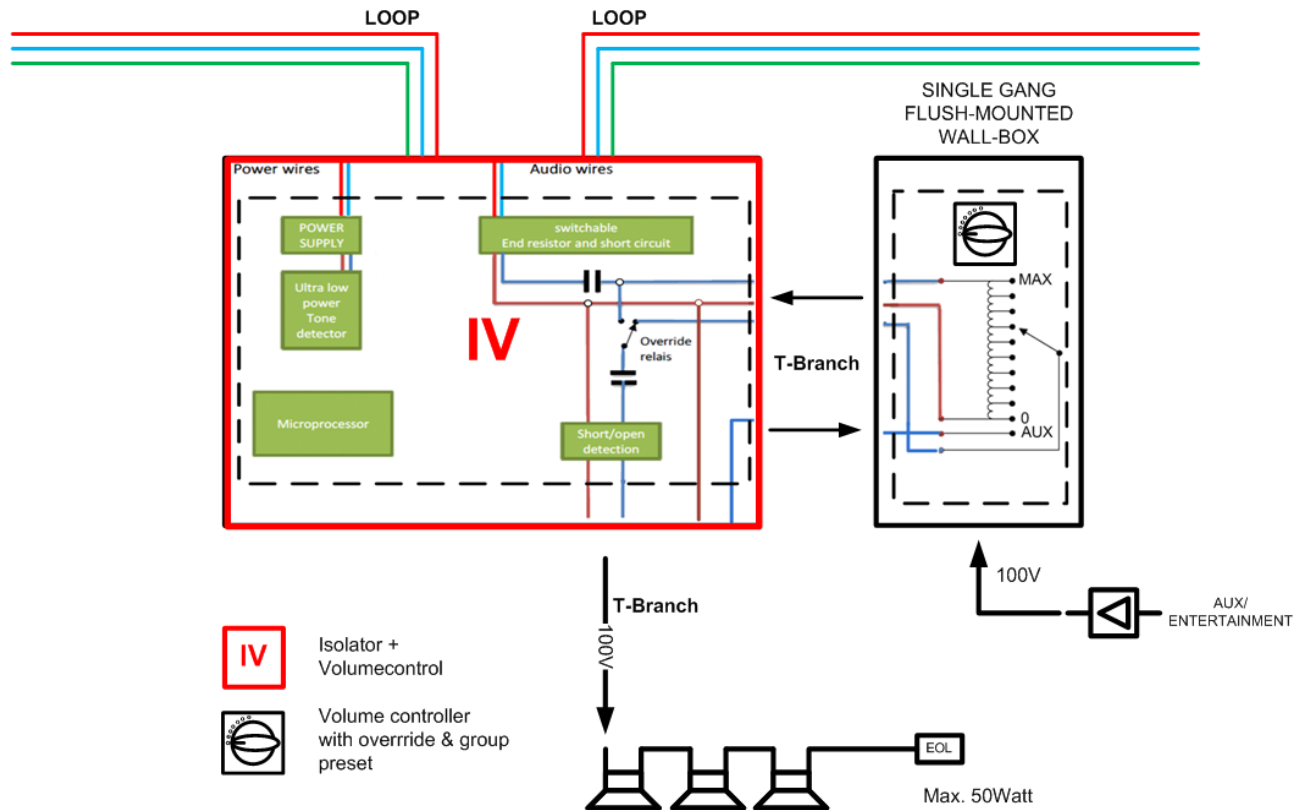
Local zone speakers in the volume-controlled area are surveilled by DC-current. EOL resistor terminates the line.

Other zones have a typical two-conduct loop configuration with fault addressing.

Trigger threshold : 7,5Vrms (20kHz)
 Inrush period for override : 0.3sec
 Fade-out period from override : 1,0sec

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Detect - Locate - Isolate - Fault addressing



FIM-VC

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