

Paging Group Expander (PGE) Model PE-4937

This product overcomes the limitation of 20 members in the paging group of HiPath 3000 series and Hicom 150 E / H OfficePro.

Design 2000 was presented with the design criteria to allow the simultaneous paging of 99 digital extensions. The resulting device was developed and tested in August 2003. It has since been widely deployed.



The PGE can utilise up to 5 analogue ports and 1 STRB / Reals board to facilitate the simultaneous paging of 99 ports. 1 analogue port is included in the (trigger) group, with 19 other digital extensions. This analogue port is connected via the STRB / Reals relay to the input of the Paging Group Expander and provides power to operate the Paging Group Expander, as well as the audio input to the other ports on the device (see diagram below).

The STRB / Reals relay controls / activates the Paging Group Expander (**a single contact in one leg of the line is OK**). The operation is as follows:

The PGE provides 4 outputs, which are connected to analogue extension interfaces of the Hicom / HiPath system. Via the PGE DTMF tone senders the relevant service codes for paging (*80 in default) and the group pilot numbers (7921, 7922, 7923 and 7924) are sent to these analogue extension ports. The Hicom / HiPath system then initiates the paging calls to the group members. **Please note that the paging confirmation tone timing parameter needs to be lengthened to suit.**

Each group can have up to 20 members giving a total of 99 digital handsets being paged simultaneously (see diagram overleaf).

The PGE can also be used to provide paging over a network.

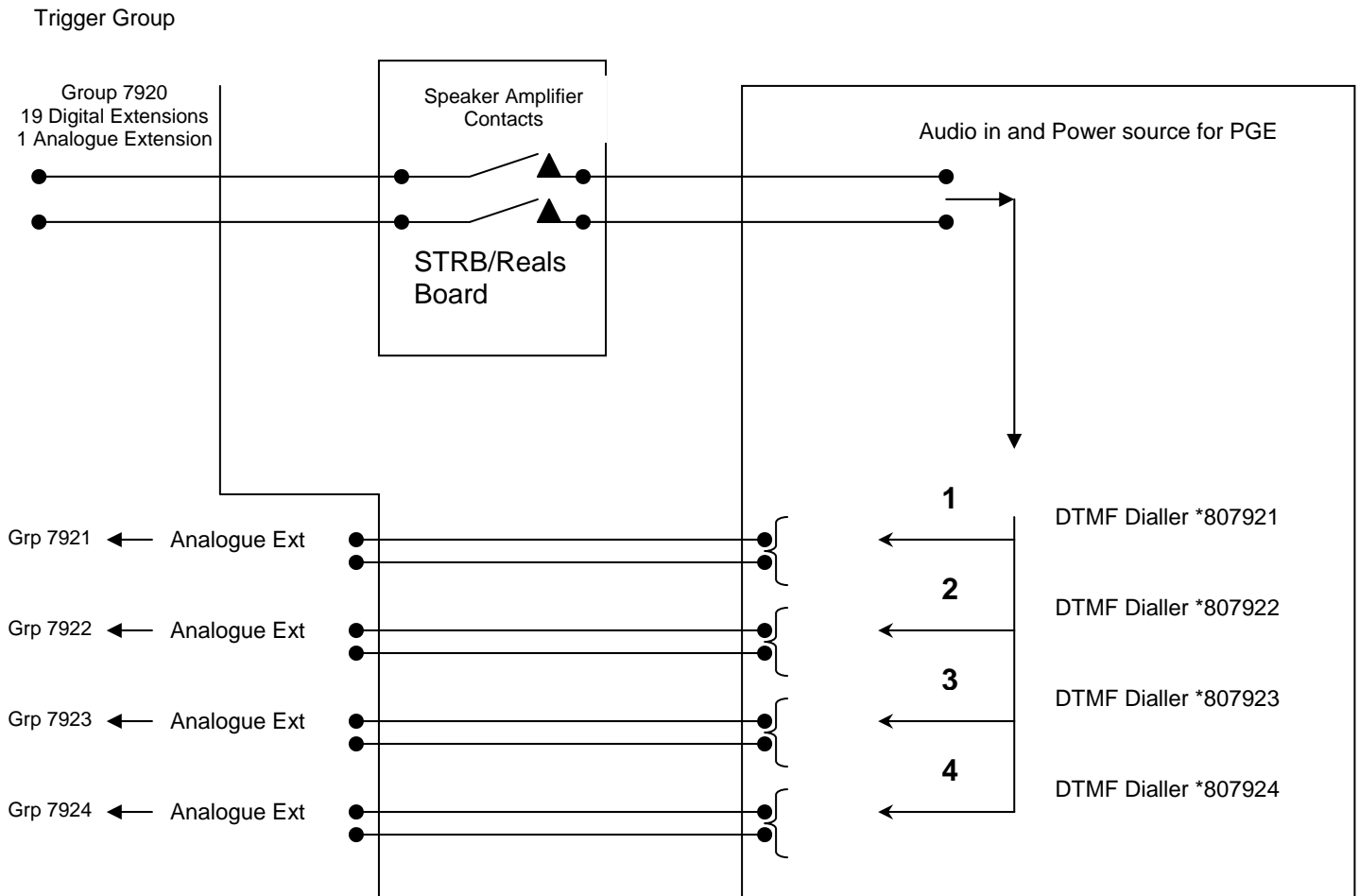
Note: The PGE functionality has been tested and approved by Siemens Ltd. A TIC with detailed programming information is being prepared and will be released as soon as possible. Additionally, the Hicom / HiPath Helpdesk can be contacted for programming assistance.

PAGING GROUP EXPANDER (PGE) CONNECTIONS

The following diagram illustrates the operation of the PGE:

Hicom 150 / HiPath 3000

PGE



Note: With internal links LK1, LK2, LK3 & LK4 NOT fitted, the PGE dials group pilot numbers *807921, *807922, *807923 and *807924. With the links fitted it dials group pilot numbers *80861, *80862, *80863 and *80864.



design2000

Est. 1968

www.design2000.com.au