

Technical Bulletin

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Stage (Channel) - Programmable: E2S Electronic Horns

The standard E2S electronic horn series of products offer a number of different installer-selectable alarm tones within, typically 32, 45 or 64 different tones depending on the particular model.

When voltage is applied to the horn, the audio output will be the tone selected. A second or third stage (also known as a second or third “channel”) of alarm may then be initiated by closing a “set of clean contacts” or an external relay.

Specific information relating to the actuation of alarm stages is at [Guide to alarm stage selection](#) along with being included within all product installation instructions which are also available on the E2S website.

On a standard horn once the first stage of an alarm has been selected then the second and third is predetermined as indicated in the table of tones in the product installation sheet.

A Stage (Channel) - Programmable version of the horn will allow the first, second, third and an additional fourth stage to be selected from a table of 49 tones as shown in the product installation instructions.

Each of the stages needs to be configured via a **programmer*. Alternatively each of the stages of alarm may be pre-configured at the factory before despatch.

*Part#: **EX117PROG** Description: R.A.T. programmer unit (This may only be used in conjunction with stage configurable horns)

Note:

1. All E2S electronic horns may be factory supplied with custom tones & frequencies and or stage configuration (contact sales@e2s.com)
2. GNEx series – stage 1 & stage 2 may be configured by the installer, stages 3 & 4 are pre-determined by the selection of stage 1.

Applicable product ranges

[AlertAlarm Range](#)

[MA112](#) & [MA121](#)

Wide Area

[A131](#) & [A141](#)

Explosion Proof

[GNExS1](#) & [GNExS2](#) & [GNExS1-R](#)

[BExS110](#) / [BExDS110](#)

[BExS110-R](#) / [BExDS110-R](#)

[BExS120](#) / [BExDS120](#)

[Explosion proof Combination Audible-Visual](#)



R.A.T. *programmer – stage configurator

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