



EAS APPLICATION NOTE No. 1005

EAS 911T INTERFACE TO VDS 840EAS CHARACTER GENERATOR

The EAS 911T Encoder/Decoder with software version 0.78 and above provides a direct interface to the VDS 840EAS Character Generator. An incoming EAS alert will cause an English translation of the Header to be transmitted to the VDS 840EAS for use as a crawl.

Character size, color and position can be programmed, as well as crawl position, speed and repetition.

Operation

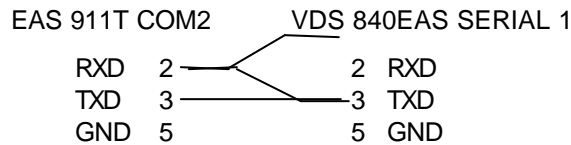
The EAS 911T automatically provides setup and alert text to the VDS character generator. Operator intervention is not required.

Connections

The VDS 840EAS Character Generator can be connected to the TFT EAS 911T with a null MODEM 9-pin RS-232 cable. The EAS 911T 9-pin D-connector pinout is defined as:

- 2. RXD Data from the VDS 840EAS Character Generator to the EAS 911T.
- 3. TXD Data from the EAS 911T to the VDS 840EAS Character Generator.
- 5. GND Ground
- 4. DTR +12V
- 7. RTS +12V
- 1, 6, 8, 9. No Connection

Connections With Null MODEM Cable



TXD and Ground are the required connections; RXD is optional and only used when the VDS 840EAS is used for other applications simultaneously with EAS. The VDS 840EAS data input is on pin 2 of its D-connector and the null modem cable makes the transition from the 911's pin 3 to the VDS 840's pin 2. The +12V provided on DTR and RTS may be required by the user's equipment.

Enabling the Character Generator Port

The CG port is enabled and configured by entering the EAS 911T's primary and secondary passwords to access the Setup Menu. The factory-default passwords are 911 and 912, respectively. Use the Δ and ∇ arrows to select 18, ENABLE CHAR GEN INTERFACE, and press ENTER. Use the Δ and ∇ arrows to select VDS I/F, and press ENTER.

The Δ and ∇ arrows can be used to select the following menu items to set up the VDS 840EAS display output:

- | | |
|------------------|---|
| SET CHAR HEIGHT | Range is 1 to 4 |
| SET COLOR | White, Yellow, Cyan, Green, Magenta, Red, Blue or Black |
| SET CRAWL SPEED | Range is 1 to 3 |
| SET CRAWL COUNT | Range is 1 to 5 |
| SET DISPLAY LINE | Range is 40, 50, 60, 70, 80, 90, 100 |

When the desired option appears in the Liquid Crystal Display, press ENTER to select. The Δ and ∇ arrows can be used again to select the next menu option.