

APCO P25 Desktop Decoder

Also decodes MDC-1200[®] or FleetSync[™] on the same channel



C25 I



C25 III



C25 II

Console/Computer Interface Model

- Decodes P25 ID to known console serial data
- P25 NAC TGID permission flags control output relays
- Translate Option converts P25 ID to MDC-1200 FSK Data out

Single Window Display Model

- Large 8-character display shows P25 ID
- Directly review up to the last 20 ID's received
- Optional Alias feature adds 8-character name tags
- Popular compact design

Multi-Window Display Model

- Two-line display to show last 6 ID's received
- Display Unit ID, NAC and TGID at the same time
- Alias Option adds 36-character tagging
- 2-Line display yet only 4.75" tall

Common Features Included in all of the above C25 Series

- Decodes P25 data as well as MDC-1200 or Fleetsync[™] for a cost-effective transition to P25
- P25 data easily programmed to display in decimal, hex or binary formats
- Serial output of decoded P25 ID's in common data formats (dispatch consoles)
- P25 decode qualification by NAC and/or TGID (filters)



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P25 Multi-Format Decoder



- DSP control for fast, reliable decodes
- Review button allows for review of the last 20 ID's received
- Real time clock for time and date stamp
- Data Mute relay output provides N.O. and N.C. relay contacts
- Programmable RS-232 Serial Output (sends decoded P25 ID data in common console data sets)
- "Enunciate" function allows for unique tone sounds when specific ID's are received (requires alias option)
- Two programmable open-collector outputs can be related to the reception of types of messages. Outputs can be used to trigger external alarms, auto dialers, counters, etc.
- Decodes full MDC-1200 ID set (0-DEEE)
- "Authorize" permits the C25 to be used to allow only authorized users access to repeater systems. (requires the alias option.)
- Unique user definable display personality and serial output strings.
- Programming software built into the unit
- 3-year warranty
- P25 decode qualification by NAC and/or TGID

Optional Features



- *Alphanumeric Aliasing provide 8-character (C25 II) or 36-character (C25 III) alpha tags*
- *Triple format decoding allows one C25 to decode all three formats (P25, MDC-1200 and Fleetsync) operating on same channel*
- *The translate option will translate P25 ID's to MDC-1200 ID data, useful for consoles that currently decode MDC-1200 ID data*
- *12 VDC versions available for command vehicles*
- *19" single or dual rack mount kit*
- *19" multi-channel rack available for up to 10 channels*
- *Programming cable – 6 foot RJ-11 to 9-pin serial cable*
- *Serial buffer for combining multiple serial outputs*

Specifications

- Data Input: Single ended 30 mv to 12 Vpp; balanced 600 ohms: -30 to +10dBm, Hi Z: -36 to +4dBm (P25 requires unfiltered discriminator audio)
- Data Output: Single ended 600 ohms: to 14Vpp; Balanced 600 ohms: to +10dBm; Hi Z: to +16dBm
- Dimensions:
 - C25 I 8" X 6.25" X 2.5"
 - C25 II 8" X 6.25" X 2.5"
 - C25 III 8" X 6.25" X 4.75"
- Power Requirements – 5vdc +/- 5% at 2 amps
 - Unit comes with a 100 to 240vac power Supply
 - Optional 12vdc conversion is available
- Sounder – Audible 3400 Hz 80db(A) @ 2'. Programmable
- Removable screw terminal strips

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