n.FORM®
CPC DISCONNECT

MODEL G730

FUNCTION

The G730 will generate a CPC disconnect signal on a PABX analog station (or any other line that does not provide this signal). A Calling Party Control signal is a momentary break in the phone line loop current, which is used to signal automated telco equipment (ie. voice mail, call sequencers, etc.). Central Office telephones lines typically provide this signal, but analog PABX stations do not.

The G730 will generate a 1 second disconnect when it detects a busy signal, reorder tones (fast busy), return to dial tone, or silence.

FEATURES AND CAPABILITIES
+ Phone line powered (no AC needed).
+ Generates Calling Party Control disconnect on:
    - Return to Dial Tone (programmable)
    - Busy signal
    - Reorder (fast busy)
    - Steady silence (programmable)
+ LED shows:
    - In use
    - Audio detected
    - Generated CPC signal
+ Caller ID compatible

POWER
+ Telephone line powered (20VDC, 20mA minimum)

DIMENSIONS
+ 74mm x 53mm x 25mm (2.9"x 2.1" x 1.0")

ENVIRONMENTAL
+ 0 °C to 32 °C with 5% to 95%

CPC DISCONNECT TIME
+ 1 second nominal

CONNECTIONS
+ 4 position screw terminal block

OPERATION
Generating a CPC Disconnect- The CPC-1 monitors audio activity on the line to determine when to generate a CPC disconnect signal. A CPC disconnect signal is generated if busy signal cadence, or a reorder tone (fast busy) cadence is detected. Using DIP switches 1 & 2, the CPC-1 can also be programmed to generate a CPC disconnect signal based on uninterrupted silence. The CPC-1 will not respond to originating Dial Tone, but can be programmed to generate a CPC disconnect signal if the line returns to a Dial Tone (steady audio).

LED Operation- The CPC-1 is in use when the LED is on. The LED will light extra bright when audio is detected. For example, a busy signal can be seen as the LED toggling between "on" and "extra bright" in a 1/2 second pattern. Steady silence shows as steady on, dial tone shows as steady extra bright, and talking shows a random pattern. The LED will wink "off" for 1 second when the unit generates a CPC disconnect signal. The LED will then remain off when the line is cleared and not in use.

mercury NOTIFICATIONS