



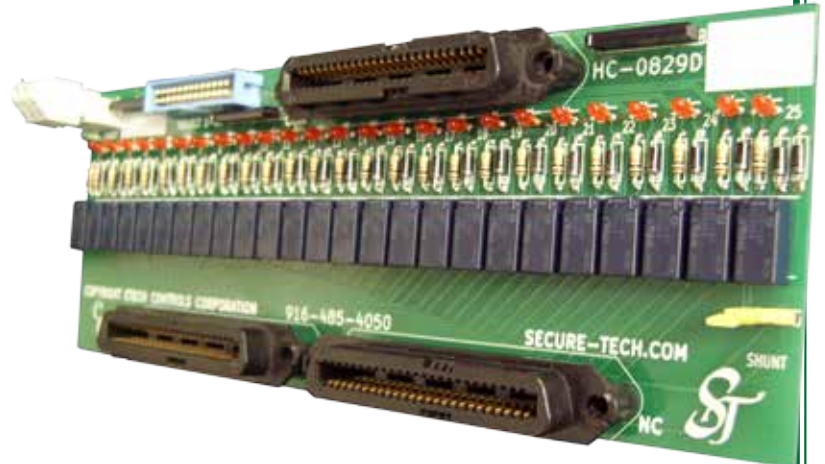
**SECURE-TECH**  
DETENTION ELECTRONIC SYSTEMS  
ETECH CONTROLS CORPORATION - MANUFACTURER  
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**MODEL**  
**HC-0829\*\*\*\***

## TELEPHONE DISCONNECT MODULES

### FEATURES:

- 25 PAIR TELEPHONE LINE SWITCHING
  - HIGH QUALITY AUDIO SWITCHING RELAYS
  - AMP "CHAMP" 25PR. FIELD CONNECTIONS
  - "POWER" STATUS - GREEN LED
  - "ALL SELECT" STATUS - RED LED
  - LINE 25 SHUNT SELECTION
  - 2 YEAR WARRANTY
- CIRCUIT TYPE: N.O., N.C. OR BOTH



### FUNCTIONAL DESCRIPTION:

The HC-0829 Telephone Disconnect provides the ability to connect or disconnect telephone audio lines, either individually or in 25 pair cable groups. This product performs this switching function with very high quality, long life two pole DPDT audio relays.

All Active relays are indicated with an individual Red Status LED. The current activation status of "GROUP SELECT" is indicated by an "ALL-SELECTED" Red Status LED. The presence of 12vdc operating power is indicated with a Green LED.

Telephone line 25 is provided with a pair of jumper terminals to shunt around the disconnect relay. The twenty-fifth pair may be used to run telephone device operating power, or a priority telephone line that should not be disconnected.

### INPUTS / OUTPUTS:

There are twenty-five (25) audio pair inputs, twenty-five (25) Individual Select Inputs, a "Select-All" Group Activation Input, two (+ & -)12vdc power input terminals, and twenty-five (25) audio pair relay outputs. Audio output circuits can be ordered to be "Normally Closed" (N.C.) for "Disconnect" upon activation requirements, "Normally Open" (N.O.) for "Connect" upon activation, or supplied with both N.C. and N.O connectors (NCNO).

Twenty-five pair cable connections terminate on pluggable fifty point Amphenol brand, female "CHAMP" Telephone Connectors (2). The two 12vdc power inputs and the Select-All Input utilize a pluggable screw connector, sized for 22 to 14 AWG conductors. Individual disconnect inputs are available on a 26-Pin Ribbon Connector.

### RATINGS:

The relay contacts are gold plated silver to provide an ultra-low switching capacity of 10 ma @ 10 mv DC for high quality audio switching. Relay lifespan is expected to exceed 500,000 operations at telephone line levels. 60 watts max.

### SIZE:

3.25" W x 9.0" H x 0.93" D  
82.55mm W x 228.6mm H x 23.8mm D

### POWER:

12-14 VDC, 560ma

### MODELS: (NOTE: 24vdc Control Available)

- #HC-0829D-12V-ALL-NC, Group "Disconnect" - 12vdc
- #HC-0829D-12V-ALL-NO, Group "Connect" - 12vdc
- #HC-0829D-12V-ALL-NCNO, Group "N.C. and N.O." - 12vdc
- #HC-0829D-12V-IND-NC, Individual "Disconnect" - 12vdc
- #HC-0829D-12V-IND-NO, Individual "Connect" - 12vdc
- #HC-0829D-12V-IND-NCNO, Individual "N.C. and N.O." - 12vdc

### LEGACY MODELS

Also available with Male Amphenol Champ Connectors

- #HC-0829AA, Group & Individual "Disconnect"
- #HC-0829AB, Group "Disconnect" ONLY

**MODEL: HC-0829D**  
**TELEPHONE DISCONNECT CONTROL MODULE**  
**HOOK-UP DIAGRAM**  
**(Model #HC-0829-12V-IND-NCNO shown)**

