



## DESCRIPTION

The Consulab CL-20 is an intrusion system mounted on a 32 x 24 melamine panel that can be installed on a wall or into a Consulab rack. The CL-20 Intrusion Trainer is built so that students can wire and repair different circuits and components. The trainer is comprised of the following:

- One (1) six-zone intrusion panel (A)
- One (1) zone-programmable keyboard (B)
- One (1) power supply (C)
- One (1) emergency battery (D)
- One (1) motion detector (E)
- One (1) RJ31X phone jack (F)
- One (1) burglar alarm (F)
- One (1) terminal magnetic contacts (G)



## A. SIX-ZONE INTRUSION PANEL WITH KEYPAD

The six/eight-zone intrusion panel offers a new level of alarm communications for protection - including personal paging - and incorporates sophisticated false-alarm prevention features. The panel has been rigorously designed for easy customization, exceptional ease of use, and proven reliability.

### Main Features

- Six (6) fully programmable zones
- All zones programmable as fire or burglary
- Two (2) true partitions
- Up/downloadable with competitor lockout
- Four (4) on-board outputs (47 events programmable by partition)
- Up to eight (8) keypads per partition
- 2-wire or 4-wire smoke detectors
- Automatic arming with auto retry
- Assign zones to one or multiple partitions
- Forty (40) user codes (4 or 6 digits)
- Built-in burglar driver/voltage out
- Burglar supervision
- SIA and Contact ID formats
- Supports all major formats
- Even activated pager format
- Flexible auto-test reports
- Failure to communicate reporting
- Reports entering/exiting program mode
- Will communicate alarm events during programming



**B. ZONE-PROGRAMMABLE KEYBOARD**

- Eight-zone LED keyboard
- 55-130 mA rated current draw
- Dimensions : 6.5 x 4.0 x 1.3 in
- White ABS housing

**C. POWER SUPPLY**

- DSC transformer.
- Input: 120 VAC, 60 Hz, 0.48 A ou 220 VAC, 50 Hz
- Output: 16.5 VAC, 40 VA.
- Direct plug-in.

**D. EMERGENCY BATTERY**

- Rechargeable sealed lead acid battery.
- Rated voltage: 12 VDC.
- Rated capacity: 4 AH.

**E. MOTION DETECTOR**

- 35 x 35 ft coverage.
- High density lens.
- ASIC-based signal processing analyzes size, speed, and shape of the incoming signals.
- Sealed optics prevent false alarms caused by insects getting inside detector.



**F. RJ31X PHONE JACK**

- Direct connection to the alarm phone line

**G. BURGLAR ALARM**

- 15-W built-in speaker.

**G. TERMINAL MAGNETIC CONTACTS**

- Loop type: Closed
- Electrical configuration: N/O
- Reed form: A
- Max. initial contact resistance: 0.150  $\Omega$
- Max. contact rating: 10 W
- Max. switching voltage: 160V DC/110V AC
- Max. switching current: 0.400 A
- Dimensions: 53.34 x 13.20 mm (2.1 x 0.52 in.)

