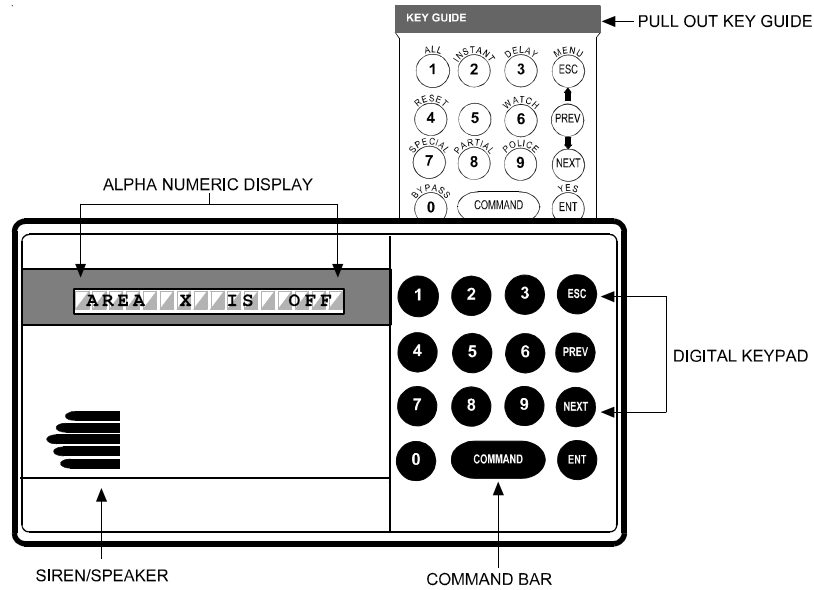


Installation Instructions

1.0 Description

The D1255TD Command Center is an SDI buss compatible device used with Bosch Security Systems control/communicator panels. The D1255TD features a keypad that illuminates when you press the keys, a sixteen-character English language display, and a built-in speaker that emits several distinct warning tones.



The panel supplies all power and data requirements for the D1255TD via a simple four-wire connection. For specific panel compatibility refer to *Table 1: Panel Compatibility Chart*, p. 2 of this document. See the *Current Rating Chart for Standby Battery Calculations* provided in the *Operation and Installation Guide* for the specific panel used with the D1255TD to determine if you need an additional power supply. Configurations combining supervised and unsupervised command centers are possible.

You can program the panel to generate messages to the D6500 identifying the supervised command center that is in trouble. If a command center loses communication with the panel for more than 60 seconds, the command center buzzes and CALL FOR SERVICE displays. The panel transmits a serial device trouble report (SDI FAILURE in Modem, TROUBLE ZND in BFSK) to the receiver.

Depending on programming in the panel, the D1255TD permits remote control of relays and real time clock display; adding, deleting and changing passcodes, system tests, and more. See the *Command Center* and *User Interface* sections of the *Program Entry Guide* for complete programming details on command center options. You can initiate a variety of system commands with the touch of two or three keys at the D1255TD keypad. To navigate through the system use the five keys near the bottom of the keypad.



2.0 Specifications

4 Wire Flying Leads from D9112 and D7212	D1255TD Flying Leads
DATA BUS B (30)	To Data Out (Green)
DATA BUS A (31)	To Data In (Yellow)
POWER + (32)	To 12 VDC (Red)
COMMON - (29)	To Common (Black)

Table 1: Wiring Connections

Control Panel Command Center	D7212	D9112
D1255TD Supervised	8	8
D1255TD Unsupervised	32	32

Table 2: Panel Compatibility Chart

Power

- Nominal 12 VDC supplied by the panel

Current Required

- Idle: 104 mA, armed or disarmed.
- Maximum: 206 mA, with command center lighted and warning tone ON.

Wiring

- 4-wire expansion cable supplies Data In, Data Out, +12 VDC, and Common.
- Maximum resistance on the conductors connected to SDI BUS A and SDI BUS B is 25 Ω .

Dimensions (HxWxD)

- 4.56 in. x 8.15 in. x 0.816 in. (11.6 cm x 20.7 cm x 2.1 cm)

Color

- Warm Gray

Display

- Sixteen-character vacuum fluorescent display. Each character is a fourteen-segment unit.
- Soft blue color

Operating Temperature

- +32° to +122° F (0° to +50° C)

Relative Humidity

- 5 to 85% @ +86°F (+30° C)

3.0 Digital Keypad

The D1255TD Command Center features a digital keypad for accessing the menus, entering user passcodes and executing system commands in the panel. As you press keys, the D1255TD emits a muted beep tone (Refer to section *6.0 Audible Tones*, p.4) to indicate that the entry has been accepted. The keypad lights when you press keys, and remains lit for 20 seconds.

When entering a passcode, press keys within 15 seconds of each other. If **15 seconds** elapse between keystrokes, the entire entry clears, and you must start over. The keypad also "times out" on other functions if you wait too long between key presses.

4.0 Command Center Function Keys

The D1255TD has five function keys. These keys are used to control your system.

COMMAND Use the [COMMAND] bar in combination with one or two numeric keys to perform a function.

ENT/YES Key Use the [ENT(enter)/YES] key to complete the entry of your passcode at the command center.
The second function of the [ENT/YES] key is to select the menu item displayed.

PREV Key When viewing a list, pressing the [PREV] key will take you back to the previously shown item.

NEXT Key Press the [NEXT] key to pass over the present item in a menu or list.

MENU/ESC First, use the [MENU/ESC] key to show the command center functions that are programmed in the Command Menu.

Second, use the [MENU/ESC] key to take you back to the idle display.

5.0 Display

The D1255TD Command Center displays the latest status conditions of the security system using words, numbers, and symbols in its display. When a series of events occur that affect the system, the D1255TD displays each event in order of its priority.

For a complete listing and description of the D1255TD sixteen-character displays and command functions available, consult the *Security System User's Guide* (P/N: 71-06141-000) and the *Program Entry Guide* for the panel.

6.0 Audible Tones

The D1255TD Command Center has a built-in speaker that produces several distinct warning tones. The speaker volume can be changed by adjusting the potentiometer, shown in *Figure 1: D1255TD Internal Features*, p. 5. Turn the potentiometer clockwise to increase and counterclockwise to decrease the volume. The speaker volume also changes as you adjust the brightness of the display. You cannot connect external annunciation devices to the D1255TD. The following signals are silenced by entering a programmed passcode with the appropriate authority.

Burglary Signal	When an area is in alarm, the D1255TD emits a steady , high-pitched bell tone.
Entrance Warning	The D1255TD emits an intermittent beep tone during entry delay periods to remind the user to disarm the area. This is a programmable option.
Exit Warning	The D1255TD emits an intermittent beep tone during exit delay and counts down the number of seconds left until arming takes place. This is a programmable option.
Fire Signal	When an area is in fire alarm, the D1255TD emits a pulsed , high-pitched bell tone.
Invalid Key Buzz	When an invalid key, or sequence of keys, is pressed, the D1255TD emits a flat buzz tone.
Keypad Encoding Tone	The D1255TD emits a muted beep tone as each key is pressed to indicate that the entry has been accepted. To disable this feature refer to section 7.1 <i>Setting the DIP Switches</i> , p. 5.
Trouble Buzzer	When a trouble event occurs, such as a service alert, the D1255TD emits a two tone warble until you enter[COMMAND 4].
Watch Tone	When you activate the Watch feature, an intermittent beep tone (the same as the Entrance Warning Signal) alerts the user anytime a watch point is faulted. This option is programmable by point.

7.0 DIP Switch Settings and Associated Functions

Located under the D1255TD Command Center cover (Figure 1), a six-position DIP Switch allows you to select the address of each command center, and silence the keypad encoding tone.

To access the dipswitches, remove the front cover. Using a small flat-bladed screw-driver, gently push in the two bottom tabs of the enclosure cover. As the tabs are pushed in, lift the cover away from the base.

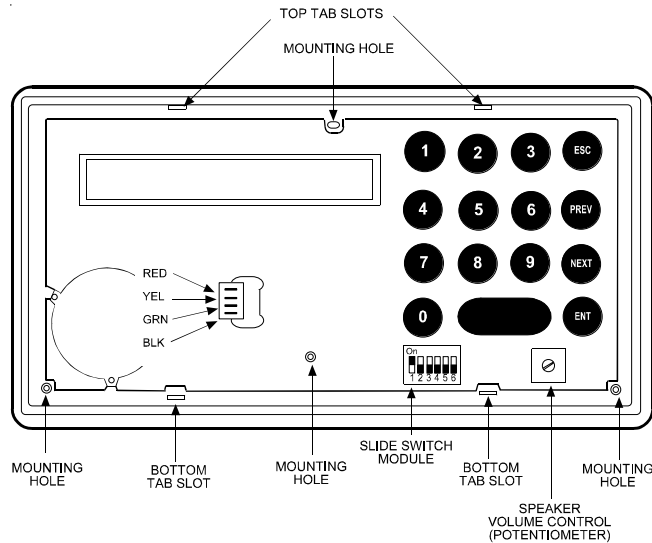


Figure 1: D1255TD Internal Features

7.1 Setting the DIP Switches

For supervised command centers, assign only one command center to each address.

Address #	Switch					
	1	2	3	4	5	6
Address #1	ON	ON	ON	ON	ENCODING TONE ON/OFF	ON
Address #2	OFF	ON	ON	ON		ON
Address #3	ON	OFF	ON	ON		ON
Address #4	OFF	OFF	ON	ON		ON
Address #5	ON	ON	OFF	ON		ON
Address #6	OFF	ON	OFF	ON		ON
Address #7	ON	OFF	OFF	ON		ON
Address #8	OFF	OFF	OFF	ON		ON

Table 3: Switch Settings

8.0 Mounting the D1255TD

The D1255TD Command Center is a low profile, surface-mounted unit. It can also be mounted using the following optional packages:

- D56 Command Center Keypad Conduit Box - Protected surface mount or flushmount
- D55 Command Center Desk Stand - Desktop
- D54B Command Center Flushmount Kit (Brass)
- D54C Command Center Flushmount Kit (Stainless)

8.1 Mounting Locations

- Do not mount the command center in a location where it will be exposed to direct sunlight.
- Direct sunlight can interfere with the D1255TD display screen visibility and damage internal components.
- Do not mount the D1255TD in wet or moist locations.

9.0 Wiring the D1255TD

A 4-wire flying lead is required for the data and power connections between the D1255TD and the panel. The D1255TD comes with a wiring assembly consisting of four color-coded flying leads and a female 4-pin connector plug at one end. The maximum recommended wire run for each D1255TD is 2000 ft. (610 m) with 22 gauge wire.

To wire the D1255TD:

1. Power down the panel.
2. Using a small flat-bladed screw-driver, gently push in the two bottom tabs of the D1255TD enclosure cover. As the tabs are pushed back, lift the D1255TD cover away from the base.
3. Set the address switches as shown in section *7.0 DIP Switch Settings and Associated Functions*, p.5.
4. Connect the flying leads of the wiring assembly (provided) to the wires from the panel, as shown in *Table 1: Wiring Connections*, p. 2.
5. Turn the command center over and plug in the wiring connector through the opening in the back of the enclosure base.
6. Mount the command center base in the desired location. Secure it in place using the mounting holes inside the enclosure base.
7. Replace the cover. Align and insert the top two tabs of the enclosure cover into the top two tab slots of the enclosure base. Hold the top edges of the enclosure cover and base in position. Push the tabs inward and press the enclosure and cover together until the cover snaps into place.
8. Press each key on the keypad toward the top of the command center to ensure proper alignment and operation of each key through the mating keypad faceplate openings.

