

# DS2000 Digital Door Box (P/N 80560) Instructions

The Digital Door Box (P/N 80560) is a self-contained Intercom unit typically used to monitor an entrance door. A visitor at the door can press the Door Box call button (like a door bell). The Door Box then sends chime tones to all extensions programmed to receive chimes. To answer the chime, the called extension user just lifts the handset. This lets the extension user talk to the visitor at the Door Box. The Door Box is convenient to have at a delivery entrance, for example. It is not necessary to have company personnel monitor the delivery entrance; they just answer the Door Box chimes instead.

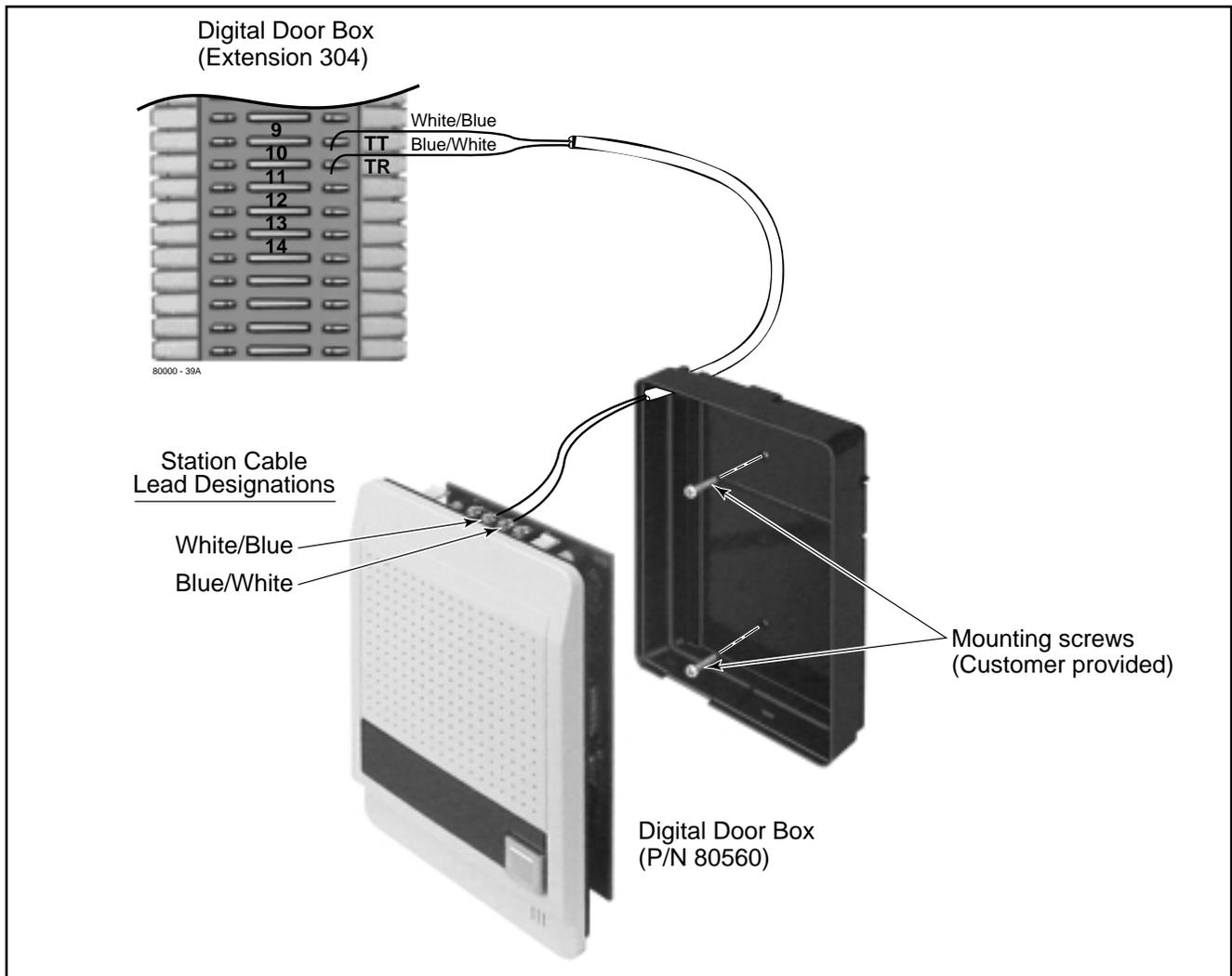
Any keyset extension that receives Door Box chimes can control the CPRU relay, which in turn typically enables an electric strike on an entrance door next to a Door Box. After answering the Door Box chimes, the extension user can press a FLASH or a soft key to enable the associated relay. The visitor at the door can then enter without having an employee open the entrance for them. Refer to your system's Hardware Manual for more on connecting to the CPRU relay contacts.

The number of Door Boxes you can install is limited by the System Load Factor. Refer to your system's Hardware Manual for more.

The Door Box is a weather-tight unit, with an operating temperature range of 0 to 45 degrees C (-32 to 113 degrees F) and a relative humidity of 10-95%, non-condensing. It is not intended for outdoor installation.

## To install the Digital Door Box:

1. Snap open the Door Box case.
2. Punch down one end of a two-pair twisted station cable on the extension block as shown below.
3. Run the station cable through the hole in the back of the Door Box.  
*When wall mounting, use the two holes in the base of the Door Box for the mounting screws.*
4. Strip the conductors back about 1/2 inch and connect to the Door Box terminals.
5. Snap the Door Box cover onto the base.



## Programming the Digital Door Box

### Door Box Setup

You must assign the circuit type and chime pattern to each installed Door Box.

- In **1801: Extension Circuit Type**, enter 10 to assign the extension as a Door Box.
- In **1801: Door Chime**, enter the Door Chime type.
  - 0 = Normal Ring Group ringing.
  - 1 = Low pitch chime pattern.
  - 2 = Mid range pitch chime pattern.
  - 3 = High pitch chime pattern.

*If you enter Door Chime type 0 (normal ring) above, you can set up Call Coverage keys for the Ring Group. This allows extensions that are not members of the Ring Group to answer Door Box calls. Extensions with Call Coverage keys to the Door Box Ring Group can also activate the relay (see Door Box Relay Control below).*

### Door Box Ringing

When a visitor at the door presses the Door Box call button, the Door Box with alert (chime) all the extensions in the Ring Group to which the Door Box belongs. For example, if the Door Box and extensions 301 and 302 are in Ring Group 1, pressing the call button alerts 301 and 302.

- In **1802: Ring Group Number**, assign the Door Box and the extensions that should alert to the same Ring Group.
- In **0511: Ring Group Master Extension Numbers and Names**, assign a Ring Group master number to the Ring Group assigned in the previous step.

### Door Box Relay Control

If the relay on the CPRU controls the strike for the door, the keyset that answers the Door Box chimes can remotely open and close the strike.

- In **1801: Relay Owner**, enter 1 to assign the CPRU PCB relay to the Door Box (see Operation below). Enter 0 to disable the CPRU PCB relay for Door Box calls.
- In **0401: Door Unlock Time**, enter the interval that the CPRU relay should remain closed after the keyset user activates (closes) the relay. After this interval, the CPRU automatically returns to its idle (open) state.

## Operation

### To place a call from the Door Box:

1. Press the Door Box call button.
2. When someone inside the building answers your call, speak toward the Door Box.

### To place a call to the Door Box:

1. Lift handset and press **ICM**.
2. Dial the Door Box extension number.

### To answer the Door Box chimes from a keyset:

1. Lift handset or press **SPK**.

### To control the CPRU relay which in turn controls the door strike:

Once set up in programming, this option is available to any member of the Door Box Ring Group as well as any extension with a Call Coverage Key for the Door Box Ring Group.

1. To open the relay, press **FLASH** key or **OPEN** soft key.
2. To close the relay, press **FLASH** key again or **CLOSE** soft key.

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