



3006 Trunk Port Doorphone Installation Guide

ABOUT THE 3006 DOORPHONE

The Algo Doorphone Model 3006 consists of a control unit (3005), a door station (3004) and a power supply (3242). All options and controls are factory set to allow for a quick installation of simple wire connections.

QUICK INSTALL

STEP 1

Run a two-pair cable from the door station location to the control unit location (equipment room). A recessed double-gang utility box is ideal for mounting the door station. The door station can be located anywhere a speakerphone or talkback paging would be considered. The door station should be mounted at shoulder height.

STEP 2

Connect the door station as per the wiring diagram on page 4. Use this wiring configuration as a standard so that all installations are similar. Mount the door station, dressing all wires neatly.

STEP 3

Wall mount the control unit as near as possible to an AC outlet. Connect the door station wires as per the attached drawing.

STEP 4

Connect the control unit terminals (T & R) to a CO line or trunk circuit of the telephone system. The control unit will also work with single line telephones.

STEP 5

Connect the power adapter into the rear of the circuit unit cabinet and plug into an AC outlet.

STEP 6

Test the unit by pushing the call button of the door station. The control unit initiates ringing into the telephone system. Answer the "call" and ensure that a voice path is established with the door station.

NOTE: The Doorphone is factory set to ring five times and then abandon the call. This may be changed by setting the "ring persist" option switches.

SWITCH OPTIONS AND CONTROL

The installer may change the following features:

- ⌘ Ring Cadence
- ⌘ Ring Persistence
- ⌘ Ring Disable
- ⌘ Speaker Volume

Ring Cadence

Controlled by SWITCH-1 on the bottom of the control unit. The eight positions of this switch are scanned during each ring cycle from position 1 through 8. Each switch that is on will contribute to the ring period. Each switch represents approximately 0.5 seconds of the ring cycle. A 0.5 second interval follows after each switch scan to give a total cycle of 4.5 seconds. The factory setting provides a 1.5 sec. ON followed by a 3 sec. OFF cadence. Factory setting is as follows:

SWITCH-1	X = ON	O = OFF
POSITION:	1 2 3 4 5 6 7 8	
	X X X O O O O O	
	---ON--- -----OFF-----	

Numerous cadences are possible, and can be chosen to distinguish the Doorphone from outside calls and ring messaging.

Ring Persist

Controlled by SWITCH-2 on the bottom of the control unit. This determines the number of ring cycles that will ensue each call if left unanswered. The factory setting is for five rings. Position 8 enables ring voltage (see **Ring Enable** on p 3).

SWITCH-2	X = ON	O = OFF	- = don't care
POSITION:	1 2 3 4 5 6 7		
	X - - - - -		No ring
	O X - - - -		One ring
	O O X - - -		Two rings
	O O O X - -		Three rings
	O O O O X -		Four rings
	O O O O O X		Five rings
	O O O O O O X		Six rings
	O O O O O O O		No limit
POSITION:		8	
		X	Ring Voltage
		O	Auxiliary Relay

Ring Enable/Disable

Controlled by SWITCH-2, position 8 on the bottom of the control unit. In the ON position (factory setting), ring voltage is provided at the "T & R" following the selected cadence. In the OFF position, only the auxiliary relay is operated.

Speaker Volume

This is adjusted by a knob at the rear of the control unit. Turn knob clockwise to increase volume.

MICROPHONE SENSITIVITY

This control is not normally field adjusted. Screwdriver adjustment is possible, however, to bias the switching circuit to favor one direction. Factory setting is 1/4 turn clockwise from a full counter-clockwise (OFF) position. Field adjustment should consist of a minimal turn in one direction or the other. Over adjustment will impair the switching function. Should this occur return adjustment to original factory position.

RELAY TERMINALS

In some cases it will be desirable to use an auxiliary ringer in place of or in conjunction with ringing the telephone system. These terminals will always follow the ring cadence and ring persist selections. Ringing to the telephone system may be turned off by setting position 8 of SWITCH-2 to OFF.

AUXILIARY JACK

This jack provides power and signal lines to operate the Algo Model 3106 Door Control Module. Do NOT use this jack for anything else. The 3106 Door Control Module will provide a dry contact closure to operate a customer-supplied door latch. The relay is sufficiently rated for most low-voltage solenoids currently available. Consult the 3106 installation instructions for details of operation and switch selections.

REPAIRS

It is not recommended that this product be repaired in the field. Should the product require repair, return to Algo using standard repair return procedures. A return authorization number must be obtained before returning any product to Algo.

Call Algo Communication Products Ltd. customer service at (604) 438-3333 to obtain a return authorization number and additional product information.

3006 DOORPHONE (TRUNK PORT) INSTALLATION DIAGRAM

