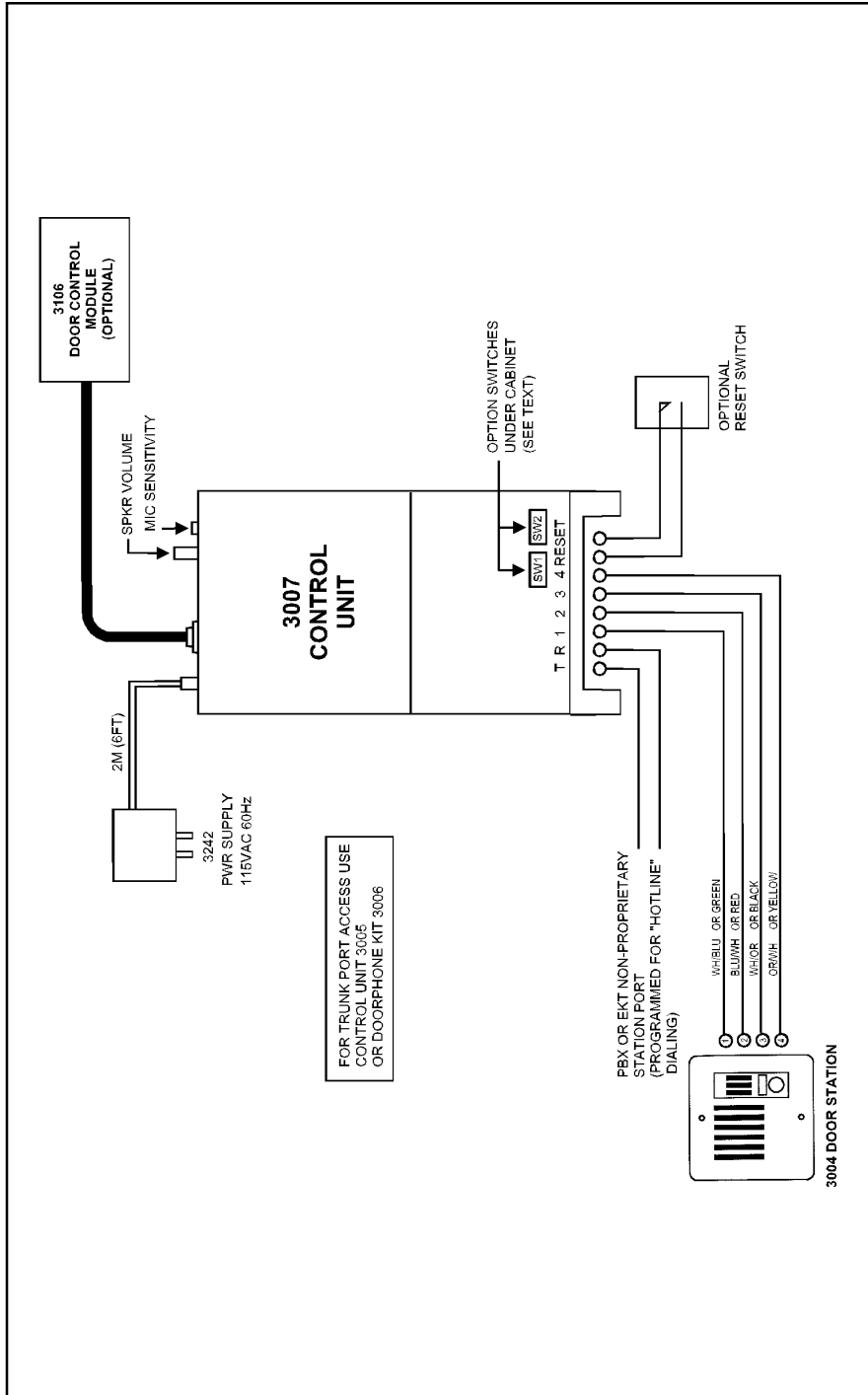


3008 DOORPHONE INSTALLATION DIAGRAM



ALGO 3008 Doorphone Installation Guide

DC300800-04
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About the 3008 Doorphone

The Algo Doorphone Model 3008 consists of a control unit (3007), door station (3004) and 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 talk-back paging would be considered. The door station should be mounted at shoulder height.

STEP 2

Connect the door station as per the attached wiring diagram. 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 near an AC outlet. Connect the door station wires per the attached drawing.

STEP 4

Connect the control unit terminals (T & R) to a PBX or EKT non-proprietary station port. In the case of a proprietary or digital port a terminal adaptor to analogue would be required. This is sourced from the PBX or EKT manufacturer.

STEP 5

Connect the power adaptor into the rear of the control 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 will go off hook to the PBX or EKT telephone system. The telephone system is programmed to route the call to an attendant position or designated station. Answer the "call" and ensure that a voice path is established with the door station.

SWITCH FUNCTION SWITCH 1

The switches referred to are located on the rear of the control unit (3007). Factory setting is as follows:

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

SWITCH FUNCTION SWITCH 1 CONT'

POS 1 CALL DISABLE

Enables or disables call detection.

ON: Disabled - Ignores call button depression.

OFF: Enabled - Detects call button depression and seizes line.

POS 2 RING DETECTION

Enables or disables ring detection.

ON: Detects ringing and seizes line.

OFF: Ignores ringing.

POS 3 RECALL

ON: If already off hook and call button is depressed, unit resets for 2 seconds and re-seizes the line.

OFF: All subsequent call button depressions after the initial one are ignored.

POS 4 LOOP SUPERVISION

Monitors loop current for detection of PBX or EKT party disconnect.

ON: No loop current monitoring. Time out disconnect required.

OFF: Monitoring active.

POS 5,6,7 LOOP INTERRUPT TIMING

When POS 4 is ON then POS 5,6,7 set the timing for loop current interruption that is required for disconnect and reset of the station doorphone to accept the next call.

ON: Contributes nothing to timing interval.

OFF: POS 5 Contributes 1/4 sec increment.

POS 6 Contributes 1/2 sec increment.

POS 7 Contributes 1.0 sec increment.

Note that this is loop current monitoring for the station doorphone. If a 1.0 sec disconnect is expected from the PBX prior to re-seizure then set the doorphone to reset a bit faster e.g. 3/4 sec.

EXAMPLES:

O = OFF X = ON

- = DON'T CARE

	POS	4	5	6	7
No loop monitoring		X	-	-	-
Detect 1/4 sec interrupt		O	O	X	X
1/2		O	X	O	X
3/4		O	O	O	X
1.0		O	X	X	O
1.25		O	O	X	O
1.50		O	X	O	O
1.75		O	O	O	O
Not allowed		O	X	X	X

POS 8 RESET TIMER

Enables or disables automatic reset timer for control unit disconnect from PBX or EKT.

ON: Timer activated.

OFF: No automatic timed reset.

SWITCH FUNCTIONS SWITCH 2

POS 1 - 8

Contribute various intervals of time to the TIME-OUT period. When switch is ON no time is contributed. When switch is OFF, the designated time is added to the TIME-OUT period. The sample that follows allows for a 96 sec conversation. If the majority of conversations exceed this time period then reset this switch to time most convenient. Else conversation is re-established by pushing call button on remote station or dialling station.

EXAMPLE:	X = ON	O = OFF
POSITIONS:	1 2 3 4 5 6 7 8	
Time contribution (seconds):	1 2 4 8 16 32 64 128	
Factory setting:	X X X X X O O X	
Time elapsed for reset is	32 + 64 = 96 sec	

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 favour one direction. Factory setting is 1/4 turn clockwise from a fully 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.

RESET TERMINALS

Shorting these terminals will reset the control unit.

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 ACP using standard repair return procedures. A return authorization number must be obtained before returning any product to ACP.

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