

# AeGIS 4000

## Quick Installation and Programming Guide



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## Installation Wiring Diagram

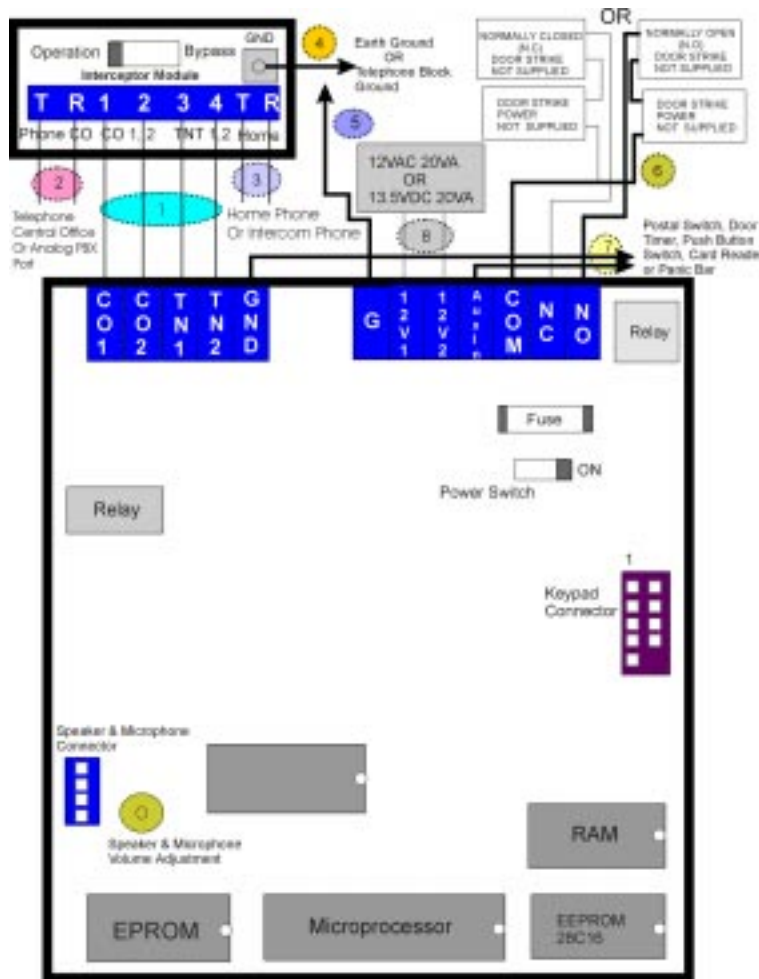


Figure 1.0

Follow the steps below according to wiring number shown in figure 1.0

**Step 1** CO1, CO2, TN1, and TN2 to 1, 2, 3 and 4.

The Interceptor Module can be installed inside or outside the AeGIS 4000 cabinet.

- The maximum distance between the AeGIS 4000 and the Interceptor Module and the Home Phone cannot be exceeded 2200 feet using 18 -gauge 4-conductors shielded stranded wires.
- **Warning:** Longer distance is not recommended.
- Ground one end of the shield into the earth ground or telephone ground block.
- If the Interceptor Module is inside the AeGIS 4000 cabinet, 22-gauge 4-conductors stranded wires can be used.
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**Step 2** PHONE CO (Central Office).

Connect to Telephone Central Office or Analog Private Branch Exchanged (PBX). **If the AeGIS 4000 is only used as an Intercom System, skip this step and proceed to Step 3.**

- 18-gauge 2-conductors shielded stranded wires are recommended, to avoid static and radio station transmission.
- Ground one end of the shield into the earth ground or telephone ground block.

**Step 3** HOME PHONE

Connect to a Home Phone Set.

- A maximum distance between the AeGIS 4000, Interceptor Module and the Home Phone cannot be exceeded 2200 feet using 18 -gauge 4-conductors shielded stranded wires.
- **Warning:** Longer distance with bigger gauge wires is not recommended. Do not Phone Central Office to Home Phone Terminal.

**NOTE:** If you install the AeGIS 4000 on dedicated phone for call forwarding only, do not do this step, return to Step 2.

**Step 4** INTERCEPTOR MODULE GND

Connect to Telephone Ground Block or Earth Ground using 16-gauge stranded wire.

**Step 5 G.**  
Connect to Telephone Ground Block or Earth Ground using 16-gauge stranded wire.

**Step 6 DOOR STRIKE.**  
Form C Dry Contact (120 VAC 10A/ 24 VDC 10A/ 250 VAC 7A) Normally Open (N.O) and Normally Closed (N.C).  
**Connect to Normally Open (N.O) and COM** if normally open door strike is used. Door is closed if the strike is not energized and open if energized.  
**Connect to Normally Closed (N.C) and COM** if normally closed door strike is used. Door is closed if the strike is energized and open if not energized.

- 18-gauge 2-conductors stranded is recommended.

**Step 7 AUXIN.**  
Connect Push Button Switch, Panic Bar, Card Reader, Buzzer, and Postal Lock using minimum 22-gauge wires.

**Step 8 POWER.**  
ONLY use a Class 2 transformer rated 12 VAC 20VA (supplied) or 13.5 VDC 20 VA to power the AeGIS 4000. Optional 12 VDC 4Ahr battery back up with built-in charger can be installed as shown in figure 2.0.  
**Warning:** Do not use 12 VAC 20VA (supplied), if battery back up is used, to do so may damage the system or cause injury.

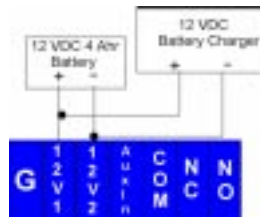


Figure 2.0

## Programming

Reference Keys	Description
*	Exit Programming Mode or hang-up the call
#	To accept program
* and #	To reset the master code to factory default (0000). Turn the power off then press and hold * and #, while you are holding both keys, turn the power on; you will hear <b>“Two Short Beeps”</b> then <b>“Three Short Beeps”</b> .
0	To delete or to hold call and switch in call waiting.

**Logon to programming mode before selecting the function codes on the table:** press 0 and # simultaneously and release, then enter the Master Code. You will hear **“One Short Beep”** if the master code is valid, otherwise repeat this process again. Default Master Code is 0000. For more detail see the Owners Manual.

Function Codes	Description
00	Change Unit Master Code, default is 0000
01-50	Individual Access Code Index Number 01-50. Access code must be in 4-digit format.
60	Delete Individual Access Code Index Number 1-10
61	Delete Individual Access Code Index Number 11-20
62	Delete Individual Access Code Index Number 21-30
63	Delete Individual Access Code Index Number 31-40
64	Delete Individual Access Code Index Number 41-50
65	Delete All Individual Access Codes on index Number 01-50
70	Non-indexed Call Forwarding, automatically forward the call to the phone number programmed. No need to enable.
71	Add or Delete Indexed Call Forwarding Phone # 1. Automatic Call Forwarding is enabled as soon as the phone number is programmed on Index 71. Up to 11-digit
72	Add or Delete Indexed Call Forwarding Phone # 2, up to 11-digit.
73	Add or Delete Indexed Call Forwarding Phone # 3, up to 11-digit.
74	Add or Delete Indexed Call Forwarding Phone # 4, up to 11-digit.
75	Add or Delete Indexed Call Forwarding Phone # 5, up to 11-digit.
76	Delete All Call Forwarding Phone Number.
87	Enable or Disable Automatic Call Forwarding. 0=disable 1= enable. Default setting is enabled.
88	Select Automatic Call Forwarding Index Number. Index number is 71, 72,73, 74 and 75. Index 71 is selected automatically if the phone number is programmed.
89	Set Automatic Call Forwarding Time. Automatic call forwarding time is 15-90 seconds. The call forwarding time selected must be shorter than the Talk Time (Function Code 91). Default setting 15 seconds.

90	Manual Unlock or Lock. 0 lock and 1=unlock
91	Talk-time 10-90 seconds. Default setting 60 seconds
92	Door Open Interval 01-90 seconds. Default setting 12 seconds.
93	Lock-out count 3-9. Default setting at 3.
94	Auxiliary Mode. 0 disable, 1 and 2=enable. See owners' manual for more detail. Default setting disable.
95	Alarm Mode. 0=local and 1=remote. Default setting local.
96	System Answer Mode. 0=disable and 1-9=enable and system answer on 1-9 rings. Default as d
97	Do not Disturb Mode. 0=disable and 1=enable. Default setting disable.
98	Select Initiating Premise Call Key (# or *). 0=# and 1=*. Default setting #.
99	Set the memory to factory default. 99# (Two long beeps) then 0# (One short beep) to cancel or 1# (three short beeps) to set to factory default.

## System's Operations

Refer to owners' manual for more detail.

Description	Action
To initiate call from the system	Press #
To hang up call from the system	Press *
To provide access to visitor.	Press 9
To use call waiting feature.	Press 0 to put existing call on hold and transfer to the incoming call.
To use 4-digit personal access code.	Press * then 4-digit code.
To enable non-indexed call forwarding locally.	Programmed the phone number on Index 70.
To delete non-indexed call forwarding locally.	Press * and 0 simultaneously then release then press 70 then #, hear three short beeps.
To enable indexed call forwarding locally.	Press * and 0 simultaneously then release then press 71, 72, 73, 74 or 75 then #, hear three short beeps.
To disable indexed call forwarding locally.	Press * and 0 simultaneously then release then press 70 then #, hear three short beeps.
To activate Automatic Call Forwarding locally.	Program a phone number on Index 71. Call will be forwarded to the number programmed on Index 71 if no answer at the premise in 15 seconds. If you use different index number refer the owners' manual.
To Unlock Cycle door or gate remotely via premise phone.	Press ## then 9 or Press ** then 9 See function code 98 setting.
To Unlock Hold door or gate remotely via premise phone.	Press ## then 8 or Press ** then 8 See function code 98 setting.
To Lock door or gate remotely via premise phone.	Press ## then 0 or Press ** then 0 See function code 98 setting.
To call from premise phone to the system and talk to visitor.	Press ## then * or Press ** then * See function code 98 setting.

