

# SYSTEM DESIGN QUESTIONNAIRE:

Please print, complete, and FAX to: **781-871-4406** Attention: Systems Engineering  
 Name: ..... Company .....  
 Address: .....  
 State: ..... Zip .....  
 Phone # ..... Cell Phone # .....  
 Fax # ..... E-mail: .....

AATI will fax you a quotation based on the information in the completed questionnaire.

- A. Is Message Unit (DMR) Required? .....  
 Please fax text of special message and/or tone requirement
- B. Is remote paging required? .....
- C. Alarm & Page **by Zone**? ..... or **ONLY All Page/All Alarm**?.....
- D. How many **SPEAKER** Zones? .....
- E. Style "Z" (Class "A") ..... or Style "Y" (Class "B") .....

**SPEAKER LOADING WORKSHEET:** List **MAXIMUM** watts per Zone.

For more than one circuit per zone, follow instructions below:

Zone #	Watts	Zone #	Watts
1		21	
2		22	
3		23	
4		24	
5		25	
6		26	
7		27	
8		28	
9		29	
10		30	
11		31	
12		32	
13		33	
14		34	
15		35	
16		36	
17		37	
18		38	
19		39	
20		40	

Each circuit can have a **MAXIMUM** of 50 watts.  
 If a **ZONE** (or area) has multiple **CIRCUITS** (e.g. if a floor has two wings and each has a separate circuit), then the **CIRCUITS** have to be listed separately per zone.  
 All the circuits in that zone will be activated and paged simultaneously.

**Example:**  
 The **ZONE** Floor 21 has three (3) **CIRCUITS** with Circuit # 1 at 45 watts, Circuit # 2 at 28 watts, Circuit # 3 at 18 watts.  
 Indicate this by splitting the wattages as follows:

<b><u>Zone</u></b>	<b><u>Watts</u></b>
21	(45), (28), (18).

If a floor or area has more than one zone, then each zone has to be listed separately.

**Example:**  
 There are twenty floors and floor # 6 has three zones. The system will have a total of twenty-two (22) zones.

Add more Zones to the list on a separate sheet as required

**STROBE LOADING WORKSHEET**

F. How many STROBE Zones? .....

G. Style “Z” (Class “A”) ..... or Style “Y” (Class “B”) .....

List MAXIMUM Amperes per zone:

Zone #	Amps	Zone #	Amps
1		21	
2		22	
3		23	
4		24	
5		25	
6		26	
7		27	
8		28	
9		29	
10		30	
11		31	
12		32	
13		33	
14		34	
15		35	
16		36	
17		37	
18		38	
19		39	
20		40	

If a ZONE (or area) has multiple CIRCUITS (e.g. if a floor has two wings and each has a separate circuit), then the CIRCUITS have to be listed separately per zone. All the strobe circuits in that zone will be activated simultaneously.

When strobes are located at a distance, line loss may be a problem. Consider using a POWER BOOSTER local to the strobes.

**RELAY CIRCUIT WORKSHEET**

Relay Circuit wiring is supervised. Polarity is reversed to the circuit when the associated relay is activated either by an associated RELAY ZONE SWITCH on the control, or by an associated input to the control.

Example: If Zone # 4 Relay Switch on the control is operated, it will reverse the polarity on # 4 circuit. This can be used to operate a remote relay, contactor, etc.

Item #	Questions	Answers	Instructions & Comments
1	# of Relay Control Zones		Note: Relays can be controlled in groups if required
2	Select Relay Circuits by Zone or operate all simultaneously.		Indicate if Automatic and Manual selection of Zones is required or if all the relays have to be activated simultaneously.

**FIREFIGHTER TELEPHONE SYSTEM WORKSHEET:**

- H. How many FireFighter Telephone Circuits? .....
- I. How many Remote Jacks? .....
- J. How many Portable Telephone Handsets? .....
- K. How many Remote Telephone Stations (handsets in locked cabinet)? .....
- L. Do you require a Telephone Handset Cabinet? .....