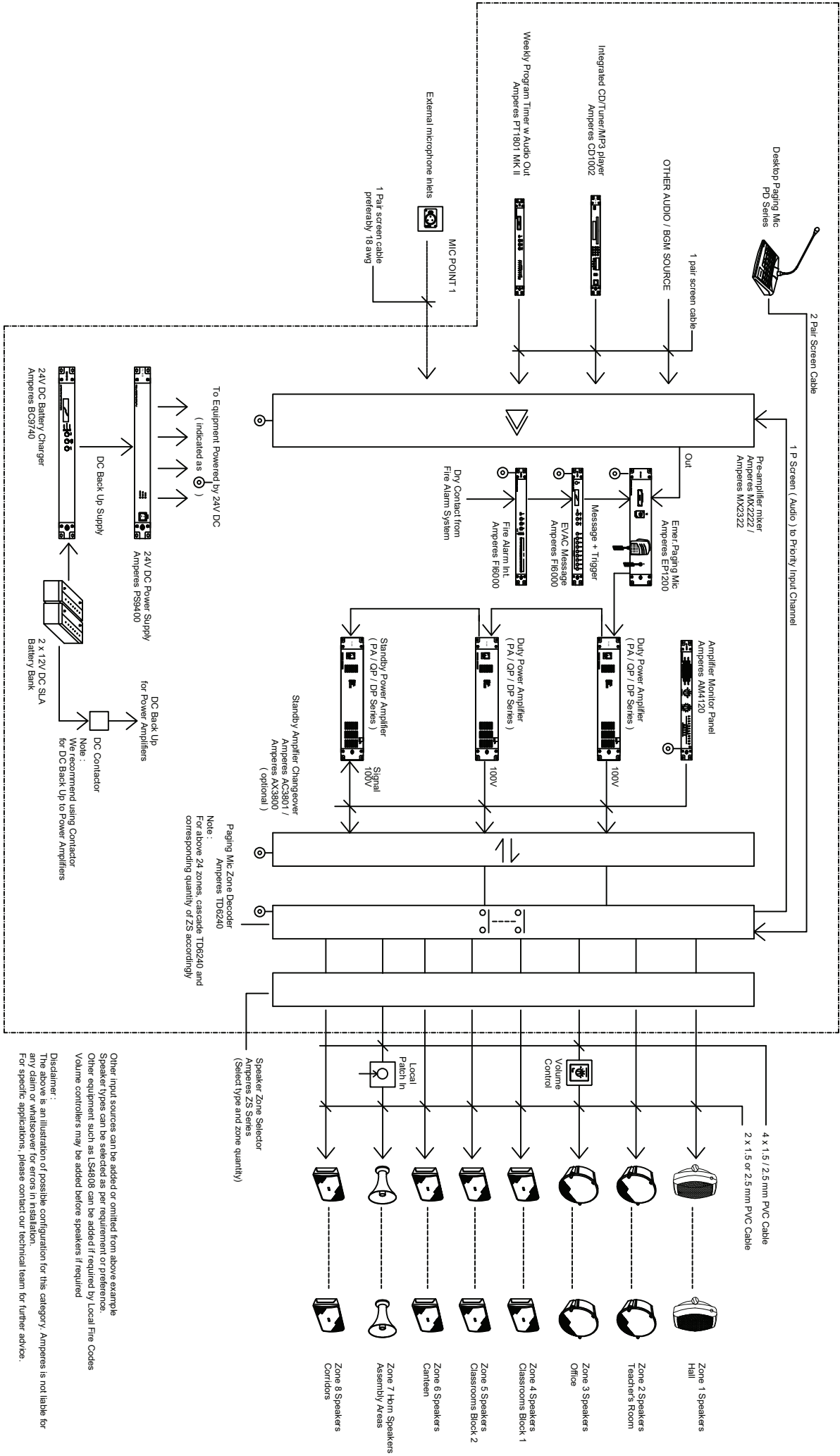# SAMPLE SCHEMATIC : DRAWING REFERENCE : pa-conv-digital 1 (a)

SAMPLE SCHEMATIC FOR INTERRUPTED PAGING IN SCHOOL / OFFICE OR SIMILAR APPLICATIONS (USING ZONE DECODER + ZONE SELECTOR)

Desktop Paging Mic
PD Series

2 Pair Screen Cable

Integrated CD/Tuner/MP3 player
Amperes CD1002

Weekly Program Timer w Audio Out
Amperes PT1801 MK II

OTHER AUDIO / BGM SOURCE

1 pair screen cable

External microphone inlets

MIC POINT 1

1 Pair screen cable
preferably 18 awg

Pre-amplifier mixer
Amperes MX2222 /
Amperes MX2322

1 P Screen (Audio) to Priority Input Channel

Out

Emer.Paging Mic
Amperes EP1200

Message + Trigger

EVAC Message
Amperes FI6000

Fire Alarm Int.
Amperes FI6000

Dry Contact from
Fire Alarm System

Amplifier Monitor Panel
Amperes AM4120

Duty Power Amplifier
(PA / QP / DP Series)

100V

Duty Power Amplifier
(PA / QP / DP Series)

100V

Standby Power Amplifier
(PA / QP / DP Series)

Signal
100V

Standby Amplifier Changeover
Amperes AC3801 /
Amperes AX3800
(optional)

24V DC Battery Charger
Amperes BC9740

DC Back Up Supply

24V DC Power Supply
Amperes PS9400

To Equipment Powered by 24V DC
(indicated as ⊙)

2 x 12V DC SLA
Battery Bank

DC Back Up
for Power Amplifiers

DC Contactor
Note :
We recommend using Contactor
for DC Back Up to Power Amplifiers

Paging Mic Zone Decoder
Amperes TD6240
Note :
For above 24 zones, cascade TD6240 and
corresponding quantity of ZS accordingly

Speaker Zone Selector
Amperes ZS Series
(Select type and zone quantity)

Local
Patch In

Volume
Control

4 x 1.5 / 2.5 mm PVC Cable

2 x 1.5 or 2.5 mm PVC Cable

Zone 1 Speakers
Hall

Zone 2 Speakers
Teacher's Room

Zone 3 Speakers
Office

Zone 4 Speakers
Classrooms Block 1

Zone 5 Speakers
Classrooms Block 2

Zone 6 Speakers
Canteen

Zone 7 Horn Speakers
Assembly Areas

Zone 8 Speakers
Corridors

Other input sources can be added or omitted from above example
Speaker types can be selected as per requirement or preference.
Other equipment such as LS4808 can be added if required by Local Fire Codes
Volume controllers may be added before speakers if required

Disclaimer :
The above is an illustration of possible configuration for this category. Amperes is not liable for
any claim or whatsoever for errors in installation.
For specific applications, please contact our technical team for further advice.

SAMPLE SCHEMATIC : DRAWING REFERENCE : pa-conv-digital 1 (b)

SAMPLE SCHEMATIC FOR INTERRUPTED PAGING IN SCHOOL / OFFICE OR SIMILAR APPLICATIONS (USING TD6400 / 6080 ZONE DECODER/SELECTOR)

Weekly Program Timer w Audio Out
Amperes PT1801 MK II

Integrated CD/Tuner/MP3 player
Amperes CD1001

OTHER AUDIO / BGM SOURCE

Desktop Paging Mic
PD Series

External microphone inlets

1 Pair screen cable
preferably 18 awg

MIC POINT 1

1 pair screen cable

2 Pair Screen Cable

1 P Screen (Audio) to Priority Input Channel

Pre-amplifier mixer
Amperes MX2522 /
Amperes MX2322

Out

Emer.Paging Mic
Amperes EP1200

Message + Trigger

EVAC Message
Amperes FI6000

Fire Alarm Int.
Amperes FI6000

Dry Contact from
Fire Alarm System

Amplifier Monitor Panel
Amperes AM4120

Duty Power Amplifier
(PA / QP / DP Series)

Duty Power Amplifier
(PA / QP / DP Series)

Standby Power Amplifier
(PA / QP / DP Series)

Standby Amplifier Changeover
Amperes AC3801 /
Amperes AX3800
(optional)

Signal
100V

100V

100V

24V DC Battery Charger
Amperes BC9740

24V DC Power Supply
Amperes PS9400

To Equipment Powered by 24V DC
(indicated as ⊙)

DC Back Up Supply

2 x 12V DC SLA
Battery Bank

DC Contactor

DC Back Up
for Power Amplifiers

Note :
We recommend using Contactor
for DC Back Up to Power Amplifiers

Paging Mic Zone Decoder / Selector
Amperes TD6080 / 6400

Note :
For above 8 zones, cascade TD to
required zone number

Local
Patch In

Volume
Control

4 x 1.5 / 2.5 mm PVC Cable

2 x 1.5 or 2.5 mm PVC Cable

Zone 1 Speakers
Hall

Zone 2 Speakers
Teacher's Room

Zone 3 Speakers
Office

Zone 4 Speakers
Classrooms Block 1

Zone 5 Speakers
Classrooms Block 2

Zone 6 Speakers
Canteen

Zone 7 Horn Speakers
Assembly Areas

Zone 8 Speakers
Corridors

Other input sources can be added or omitted from above example
Speaker types can be selected as per requirement or preference.
Other equipment such as LS4808 can be added if required by Local Fire Codes
Volume controllers may be added before speakers if required

Disclaimer :
The above is an illustration of possible configuration for this category. Amperes is not liable for
any claim or whatsoever for errors in installation.
For specific applications, please contact our technical team for further advice.