®NOTIFIER® FIRE SYSTEMS

Gentex ZMS4
Synchronization Control Module
UL 1971 Compliant
Section: Audio/Visual Devices

GENERAL

The Gentex ZMS4 Synchronization Control Module is designed to provide an easy way to synchronize multiple strobe light flashes in those rare instances where a synchronized flash is required. The control module also has the ability to synchronize multiple horn signals with a Code 3 temporal pattern. For the horn to operate correctly, it must produce a continuous tone when powered from a continuous source of rated supply without the control module. By incorporating the control module as shown in the wiring diagrams *(page 2)*, the control module will control the power to the horns to produce the synchronized temporal pattern.

When using the Z-Series strobe lights, synchronization may also be attained without the use of a control module if the fire alarm control panel is capable of providing pulsed power with a minimum power-off time of 10 mS and a maximum power-off time of 50 mS and with a repetition rate of 1 second.

FEATURES

• Synchronize Code 3 temporal pattern.

• Operates Gentex Horn and Horn/Strobe Series that generate a continuous tone: GXS, GX90/GX90S, and GMH/GMS. Also operates the HG/SHG Series manufactured before 2/16/98. Use AVS44 with the GOS/GOT Series.

• Easy to install.

• Module is rated for 3 Amps at 24 VDC.

• Synchronizes to 1 Hz flash rate.

(UL) S5405

MEA
285-91-E Vol. XII

MODEL ZMS-4
SYNC MODULE
20 mA @ 24VDC
REFER TO MANUAL SNO-138 DATED 1/1/97
GENTEX CORPORATION
ZEELAND MI 49464   07/18/97

ORDERING INFORMATION

MODEL NUMBER	OPERATING VOLTAGE	INRUSH (mA)	PEAK (mA)	DC (mA)	FWR (mA)	CANDELA
ZMS4	21 VDC	—	—	19 mA	—	—
	24 VDC	—	—	20 mA	—	—
	30 VDC	—	—	21 mA	—	—
	21 VFWR	—	—	—	19 mA	—
	24 VFWR	—	—	—	20 mA	—
	30 VFWR	—	—	—	21 mA	—
		STROBE RATED CURRENT				
Gentex 4-15/75Z* Strobes	21 VDC	420 mA	440 mA	144 mA	—	15*
	24 VDC	490 mA	680 mA	130 mA	—	15*
	30 VDC	620 mA	580 mA	116 mA	—	15*
	21 VFWR	550 mA	920 mA	—	172 mA	15*
	24 VFWR	640 mA	920 mA	—	155 mA	15*
	30 VFWR	700 mA	640 mA	—	138 mA	15*
* Rated 75 Cd per UL 1638, Fire Protective Visual Signaling Appliances.						

ISO 9001
CERTIFIED
ENGINEERING & MANUFACTURING

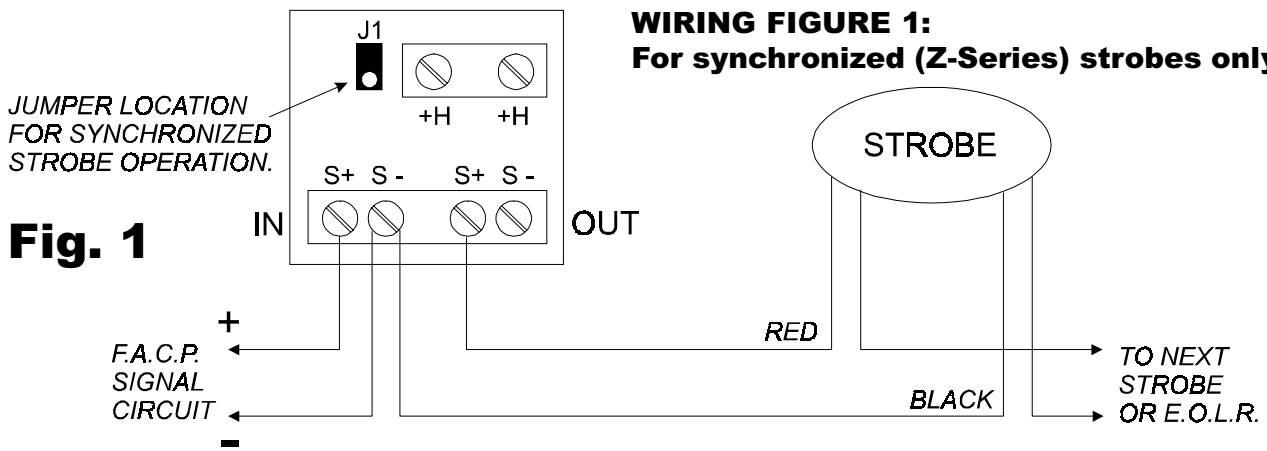®NOTIFIER®   12 Clintonville Road, Northford, Connecticut 06472

COMPATIBILITY AND DIMENSIONS

The ZMS4 works with all the Gentex Z-Series strobes except the GOS Series. Use the AVS44 for the GOS Series.
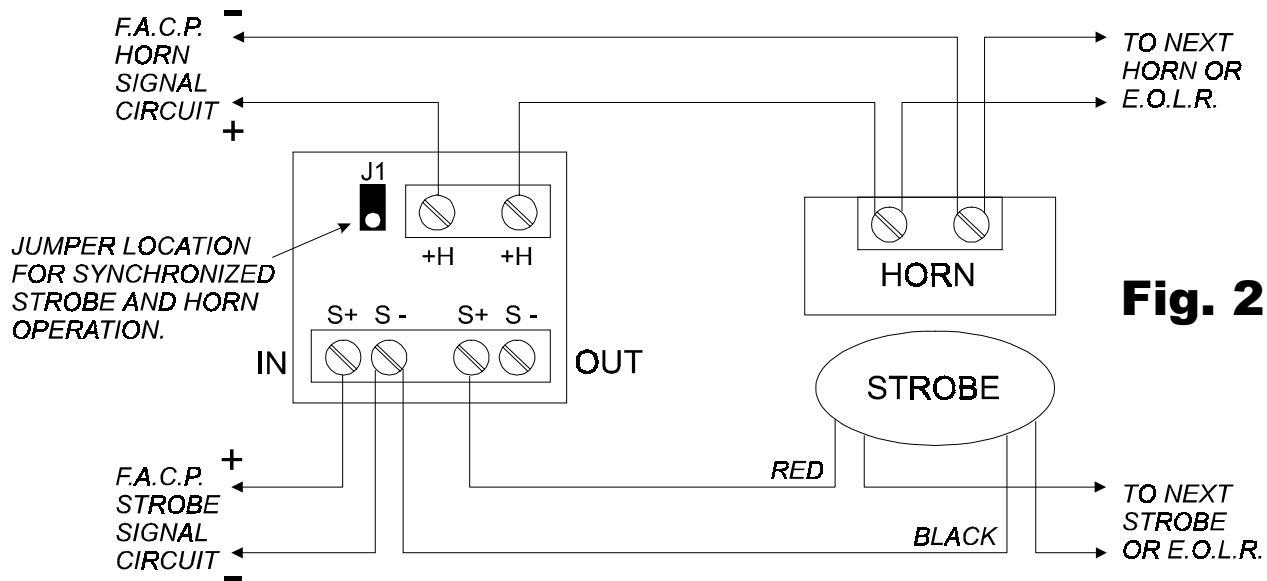**Dimensions:** 3.321" (84.3534 mm) high x 2.896" (73.5584 mm) wide x 1.190" (30.2260 mm) deep.

WIRING DIAGRAMS

WIRING NOTE: *Do NOT loop wires under terminals. Use in-and-out wiring method.*

WIRING FIGURE 1:
For synchronized (Z-Series) strobes only.

JUMPER LOCATION FOR SYNCHRONIZED STROBE OPERATION.

Fig. 1

J1

+H   +H

S+ S -   S+ S -

IN   OUT

STROBE

RED

BLACK

F.A.C.P. SIGNAL CIRCUIT

TO NEXT STROBE OR E.O.L.R.

WIRING FIGURE 2:
For synchronized (Z-Series) strobes and temporal horn.

F.A.C.P. HORN SIGNAL CIRCUIT

TO NEXT HORN OR E.O.L.R.

JUMPER LOCATION FOR SYNCHRONIZED STROBE AND HORN OPERATION.

J1

+H   +H

S+ S -   S+ S -

IN   OUT

HORN

Fig. 2

STROBE

RED

BLACK

F.A.C.P. STROBE SIGNAL CIRCUIT

TO NEXT STROBE OR E.O.L.R.

WIRING FIGURE 3:
For synchronized temporal horn only.

J1

+H   +H

S+ S -   S+ S -

IN   OUT

HORN

JUMPER LOCATION FOR SYNCHRONIZED HORN OPERATION ONLY.

Fig. 3

F.A.C.P. SIGNAL CIRCUIT

TO NEXT STROBE OR E.O.L.R.