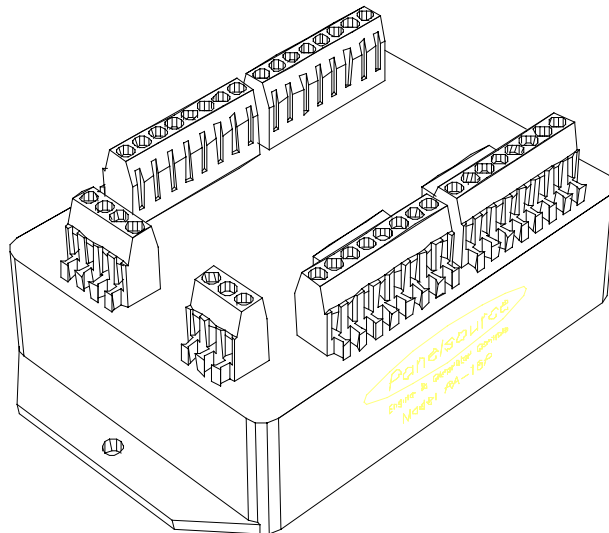## Panelsource

ENGINE & GENERATOR CONTROLS

RA-16P ANNUNCIATOR MODULE

The RA-16P annunciator module is designed for up to 16 *positive voltage* input signals at 12 or 24 volts D.C., to give visual and audible alarm for fault or pre-fault conditions. Anti-backfeed circuits are used so incoming signals are isolated from each other, allowing each signal to operate its own lamp/horn without affecting the remaining circuits; this feature also allows for lamp/horn testing with a momentary contact switch. The RA-16P can be programmed to illuminate a lamp (per fault) and sound the alarm horn, or illuminate a lamp only. Proven solid state circuits are designed for long, trouble free service, as there are no moving parts to wear out.
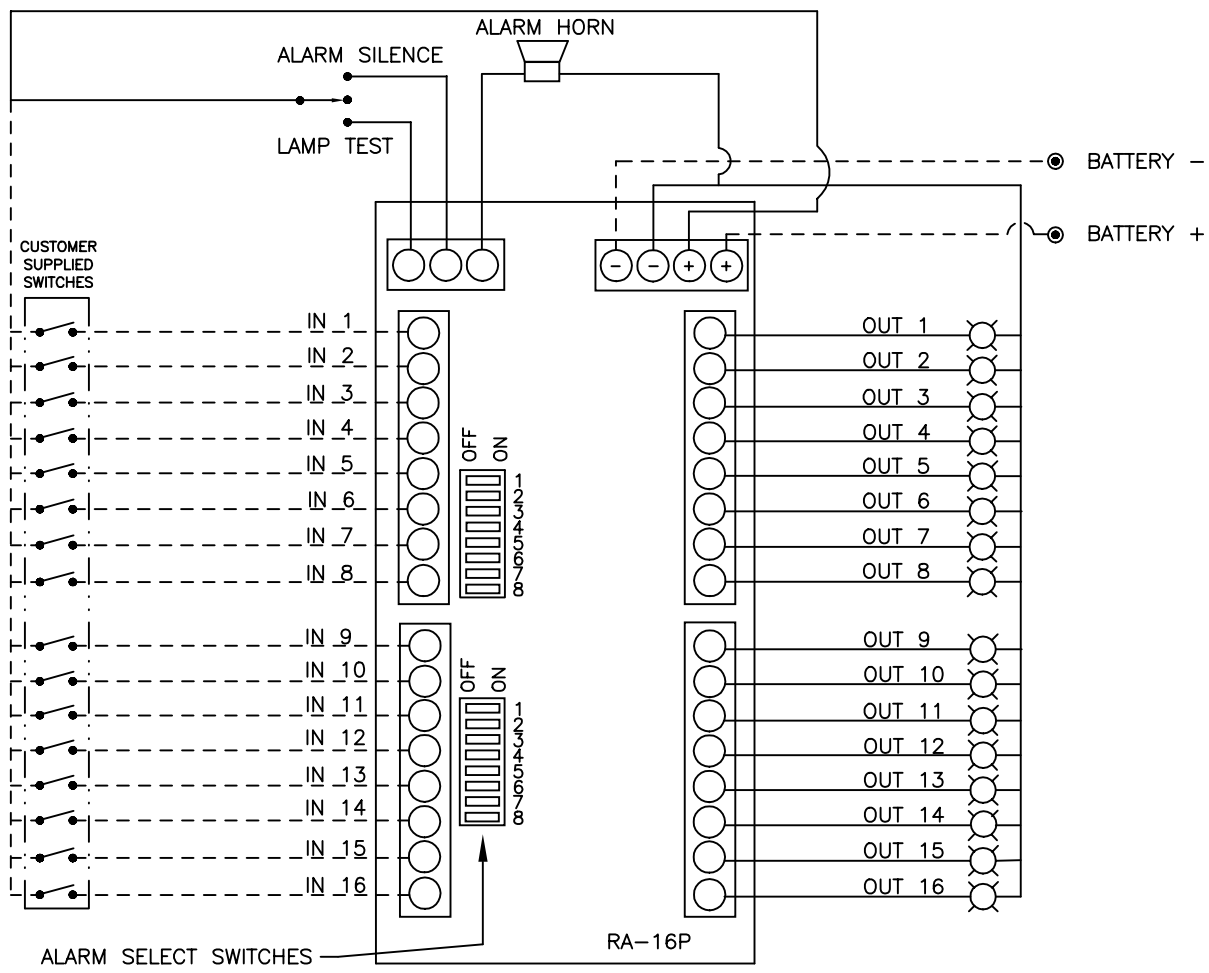
OPERATION:

Refer to wiring diagram on page two. Switches from monitored functions are wired into inputs 1 through 16, to apply positive voltage to the appropriate terminal. When a fault is detected, positive battery is applied to the lamp circuit and to the alarm horn. The horn can be silenced, but the lamp will remain lit as long as the fault is detected. If a second fault is detected its respective lamp will illuminate and the alarm horn will again sound. Silencing the horn will leave this lamp and all the previous fault lamps lit provided those faults still exist. This procedure will continue for all 16 circuits if those faults arise. If an alarm horn is not desired for a particular fault, depressing its corresponding dip switch to "off" will silence the horn, but will allow the lamp to illuminate. When a fault condition is removed, the lamp for that fault will turn off, and will be ready to announce that fault's next occurrence.
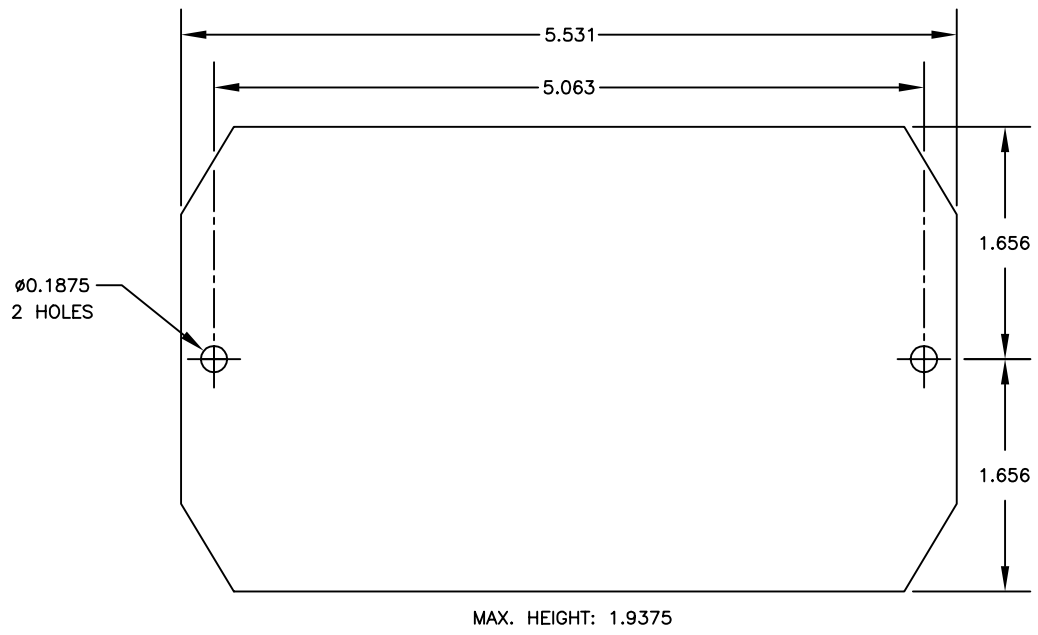
THE RA-16P

National Marketing & Distribution by Davidson Sales Co.

839 Bill France Blvd., Daytona Beach, FL 321FÏ - Phone (386) 274-2079 - Fax (386) 274-2279

WIRING DIAGRAM

ALARM HORN

ALARM SILENCE

LAMP TEST

⊙ BATTERY −

⊙ BATTERY +

CUSTOMER
SUPPLIED
SWITCHES

IN 1
IN 2
IN 3
IN 4
IN 5
IN 6
IN 7
IN 8

OFF
ON
1
2
3
4
5
6
7
8

OUT 1
OUT 2
OUT 3
OUT 4
OUT 5
OUT 6
OUT 7
OUT 8

IN 9
IN 10
IN 11
IN 12
IN 13
IN 14
IN 15
IN 16

OFF
ON
1
2
3
4
5
6
7
8

OUT 9
OUT 10
OUT 11
OUT 12
OUT 13
OUT 14
OUT 15
OUT 16

ALARM SELECT SWITCHES

RA−16P

MOUNTING DIMENSIONS

5.531

5.063

1.656

ø0.1875
2 HOLES

1.656

MAX. HEIGHT: 1.9375

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		
DO NOT SCALE DRAWING	Panelsource ENGINE & GENERATOR CONTROLS	RA-16P

⊙ EXTERNAL CUSTOMER CONNECTION	DRAWN BY: RMW	SCALE: NONE	REVISED:	DRAWING NUMBER: L6608−A
☐ TERMINAL STRIP				
──── WIRED BY PANELSOURCE	CHECKED BY:	DATE: 07/08/98		SHEET 1 OF 1
------ WIRED BY CUSTOMER				