## Step-by-Step Procedures of P-alert Setup

Functions of all input points and other settings, please refer to the manual attached.

Following step-by-step procedures are for users to activate P-alert and link it to computers.

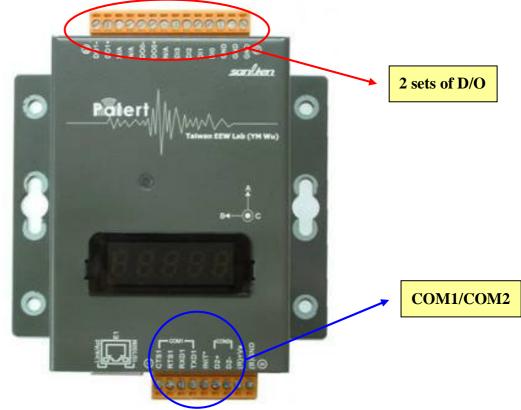
1. Activate P-alert with 10~30VDC, 300mA power



2. Link P-alert to your computer with TCP/IP network connection.



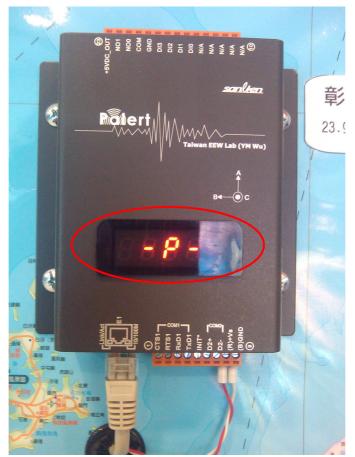
3. 2 sets of D/O and COMS are able to be connected to other devices, such as gas valves, elevator controllers, or through HMI or PLC to control other equipment.



 If the network connects to the Internet successfully, the RTC (real time clock) will stop glittering and stay stable. This indicates P-alert has already linked to NTP server (IP:59.124.196.84) and will be collaborated automatically every 600 seconds.



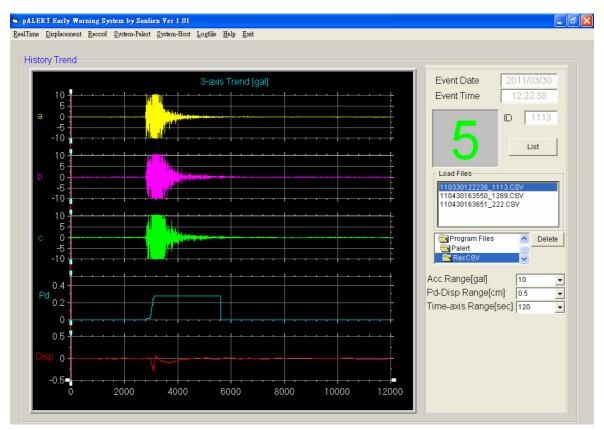
5. When triggered by P wave, the screen shows "P" and P-alert will give estimated maximum intensity 3 seconds after P wave is detected. And because the A axle is designed to detect P wave, P-alert needs to be fixed on a concrete object vertically. Concrete walls or girders on the first floor are good locations. Basements is another perfect sopt for P-alert.



6. All the parameters can be adjusted through PC Utility software.

me	Displacement	<u>R</u> ecord	System-Palert	t <u>S</u> ystem-Ho:	t <u>L</u> ogfile	<u>H</u> elp	<u>E</u> xit						
eal	Time —												
	3-axis Acceleration [gal]								PC Date 2011/05/06 PC Time 14:21:00				
	5										Now	0	0.1 gal/1s
a	0 -5 - -10 -										max	0	0.6 gal/max
	10 <b>-</b>										2011	/05/06 12:-	163.22.107.101
	-10 🛔		<b>.</b>							Ē		ange[gal] nge[cm]	10 <b>•</b>
c	10 <del>•</del> •• 5 <del>•</del> ••					·					Time-a	axis Range	[sec] 10 💌
	-5											Manual Rec	
	4.54	· · ·		· · [			<u> </u>					Alarm ON	Alarm OFF
PC CI	m] <sup>2.5</sup>												
	0.5	•		· · ·					·				

- a. Real Time: Shows current time. Retrieved from NTP server.
- b. Displacement: Shows waveforms of displacement.
- c. Record: Under "record mode", P-alert will record every earthquake event for 120 seconds. Waveforms, event date and time, P-alert ID, and maximum intensity can be seen here.



d. System-Palert: All the parameters are adjusted here. Including trigger modes, watch and warning parameters, and other settings.

alTime <u>D</u> isplacement <u>R</u> ec	System by Sanlien Ver 1.01
10 5 -10 -5 -5 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	General Connection System   System Date/Time: 2011 / 5 / 6 15 : 14 : 8 5 [Weekday]   Event Date/Time: 2011 / 5 / 6 12 : 49 : 5 adjustment   Available Hosts: 2 Watch Warning   Pd_th: 0.2 0.35 0.35 [cm]   Pga_th: 8.0 8 9 [gal]   Displacement trig V Pga trig V Pga trig 183.22.107.101   Displacement trig V Pga trig V Pga trig 183.22.107.101   Displacement trig V Pga trig V stal.ta trig 183.22.107.101   Duration: 20 20 20 20 20   Contraction: 2026 20 20 19 163.22.107.101   Serial No. : 1183 * 10Hz LPF 19 10 9   Cottor based Intensity V Server0 V Server1 connection enable Write Vinte 3ave Setting   Manual Rec Save Setting Alarm ON Alarm OFF 3ave Setting
4.94 Pd 3.99 [cm] 2.99 1.5 0.5	

e. System-host: Set P-alert I.P. address in order to connect it with any computers through the Internet. One can control it anywhere and anytime as long as he/she has its I.P. address. Check "Record Mode" for event recording for 120 seconds as long as P-alert is triggered. The red column indicates P-alert has not connected to computers.

f. Log file: Uses are able to see P-alert's activities, such as application start, online/offline, manual exit application, trig mode, maximum intensity, P wave when detecting it, and so on...

▶ 20115 - 記事本	
檜案 医编辑 医格式 (2) 檢視 (2) 説明 (1)	
2011/5/4 上午 10:36:05 P Wave	~
2011/5/4 王午 10:36:10 P Wave	
2011/5/4 上午 10:36:16 P Wave	
2011/5/4 上午 10:36:19 P Wave	
2011/5/4 上午 10:37:10 P Wave	
2011/5/4 上午 10:37:22 P Wave	
2011/5/4 上午 10:37:29 P Mave	
2011/5/4 上午 10:37:33 P Wave	
2011/5/4 上午 10:37:37 P Wave 2011/5/4 上午 10:38:00 P Wave	
2011/5/4 上午 10:38:07 Wave 2011/5/4 上午 10:38:07 Wave	
2011/5/4 十十 16-38:24 Have	
2011/5/4 上午 19:38:34 Pd trig	
2011/5/4 上午 18:38:34 P Watch Pd 8.281 cm	
2011/5/4 主午 18:39:04 P End	
2011/5/4 王午 10:38:34 Max Intensity2	
2011/5/4 王午 10:39:15 STA/LTA trig	
2011/5/4 上午 10:39:15 Pd trig	
2011/5/4 上午 10:39:15 STA/LTĀ trig	
2011/5/4 上午 10:39:15 P Watch Pd 0.486 cm	
2011/5/4 上午 10:39:40 P Warning Pd 0.677 cm	
2011/5/4 上午 10:39:45 P End	
2011/5/4 上午 10:39:15 Max Intensity1	
2011/5/4 上午 10:39:54 P Wave	
2011/5/4 上午 10:39:57 P Wave	
2011/5/4 上午 10:40:03 P Wave 2011/5/4 上午 10:40:18 P Wave	
2011/5/4 + + 10:40:10 F Wave	
2011/5/4 上午 10:40:46 P Wave	
2011/5/4 上午 10:49:53 P Wave	
2011/5/4 下午 10:41:04 P Wave	
2011/5/4 上午 10:41:14 P Wave	
2011/5/4 下午 10:41:16 Pd trig	
2011/5/4 正午 10:41:16 P Watch Pd 0.202 cm	
2011/5/4 上午 10:41:41 Manual Exit Application	
2011/5/4 下午 04:29:02 Application Start	
2011/5/4 下午 04:29:11 Offline	
2011/5/4 <u>下午</u> 04:29:13 Online	
2011/5/4 下午 04:29:24 Offline	
2011/5/4 下午 04:29:26 Online	
2011/5/4 下午 04:30:24 Offline	
8	