

FEATURES

- Backlit LCD display.
- LED illuminated menu & power switches.
- Tough & watertight case.
- Stainless steel panel.
- Accessible fuse.
- Battery operated (rechargeable).
- Recharge socket on panel.
- Keyed secure power switch.
- Four network outlets for star or in-line configuration.

APPLICATIONS

- Indoor fireworks displays.
- Outdoor fireworks displays.
- Special effects.
- Choreography to music.
- Pyro Fire system user interface.



Figure 1: ECU Controller.

DESCRIPTION

The ECU controller is the user interface to the Pyro Fire system. The controller is a stylish design in an industry tough, watertight case. Opening the case of the ECU reveals a stainless steel panel with illuminated LCD and switches. Safety is a concern in pyrotechnic systems, so several procedures have been put into place to make using the ECU a safe experience.

This controller is supplied with Windows based PC software and PC link to download fireworks shows to the DUs. The Pyro Fire software has been specifically developed for the system and is a user intuitive interface.

TYPICAL APPLICATIONS

A typical system would consist of 1 ECU and several DUs. The DUs can be configured in a star / series network topology, or a combination of both. Figure 2 below graphically describes some of the many network combinations.

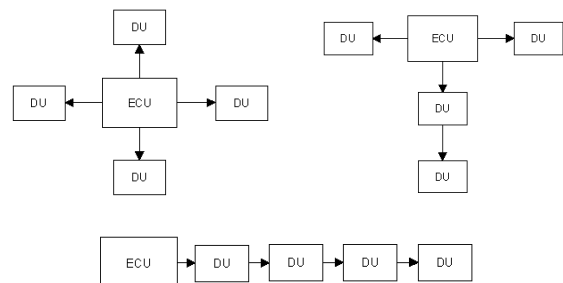


Figure 2: Network topology.

ECU Controller

ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range
Commercial grade.....0 to +85°C
Industrial grade..... -40 to +85°C
Humidity Range..... 10 to 90%

PACKAGE INFORMATION



SYSTEM CHARACTERISTICS / RATINGS

The specifications are at T_A =

25°C, unless otherwise specified.

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Battery Voltage		10	12	14	V
LCD Backlight brightness				15	
Show length		0		6553	Sec
		0		109	Min
Battery Capacity	Fully charged	15		20	Hrs

ECU Controller

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