

# DATA SHEET

## DRUID DUAL ZONE LCD ENERGIZER



The Nemtek Druid LCD dual zone energizer monitors and controls high-voltage power on an electric fence. The robust and flexible design is ideal for commercial, industrial and high-security sites that need perimeter protection. Multiple Druid LCD dual zone energizers can be used to form a large system.

Synchronisation between energizers can be achieved by using traditional network cabling or by the Druid synchronisation modules which use orbiting satellites and eliminate the need for cabling between the energizers.



### FEATURES:

- Two independently monitored and controlled zones
- Each zone can be set independently to be on/off or in high/low voltage modes
- Can be programmed into alarm sensor mode allowing it to be integrated into a separate burglar alarm system
- Four zones can be easily be created by linking two Druid 28LCD energizers together using the Druid four zone keypad
- Built-in alarm monitors tampering or faults on the high voltage and earth fence wires
- Connectable to armed response radio or GSM module
- Lightning and power surge protection
- Intelligent power saving to extend battery life
- Powered by 230V mains and includes a built-in battery for back-up power
- Built-in gate alarm input to monitor if the gate is open or closed
- Optional keypad for controlling and programming the energizer. This allows the user to control the energizer remotely, with up to two keypads
- The Relay Expansion card can be used to increase the number of information inputs and outputs from the energizer
- Walk test mode for easy fence testing
- The LCD background changes colour to help identify the fence condition



## SPECIFICATIONS:

Model	Druid 25 LCD	Druid 28 LCD
<b>Physical</b>		
Enclosure size	400(H) x 270(W) x 125(D) mm	400(H) x 270(W) x 125(D) mm
Weight excluding battery (7Ah)	5.7kg	5.7kg
Weight including battery (7Ah)	8.0kg	8.0kg
IP rating	IPx4	IPx4
Operating temperatures	-10° to 50° C	-10° to 50° C
Operating humidity	<80% non-condensing	<80% non-condensing
<b>Electrical Supply</b>		
Mains supply voltage	230V	230V
Typical power consumption (normal operating conditions)	18VA	23VA
Internal Battery	7Ah	7Ah
Standby time (fully charged battery)	24 hours	24 hours
<b>High-voltage output</b>		
Energy output 500 Ohms load	2.4 Joule per zone	3.7 Joule per zone
Open circuit voltage	9000V	9000V
<b>Connections: Contact ratings maximum</b>		
While relays have a higher rating, the manufacturer does not recommend an AC voltage of more than 50VAC	10A @ 50VAC or 10A @ 30DC (per relay)	10A @ 50VAC or 10A @ 30DC (per relay)
<b>Wiring lengths guide (live wires in a series circuit) for both solid &amp; stranded Nemtek wires</b>		
Galvanised 1.2mm - 1.6mm	2.5km per zone	3km per zone
Galvanised 2.0mm	2.8km per zone	3.5km per zone
Stainless steel 1.6mm (304 & 306)	1.5km per zone	1.9km per zone
Stainless steel 2.0mm (304 & 306)	2.3km per zone	2.9km per zone
Aluminium alloy 1.6mm	6km per zone	8km per zone
Aluminium alloy 2.0mm	6km per zone	8km per zone
Aluminium alloy 2.5mm	8km per zone	8km per zone