DESIGN PROPOSAL WINDOWS CE OPERATOR TERMINALS

AUTHOR FOR WATERSIDE SOLUTIONS. NAME:

TITLE:

SIGN: DATE:

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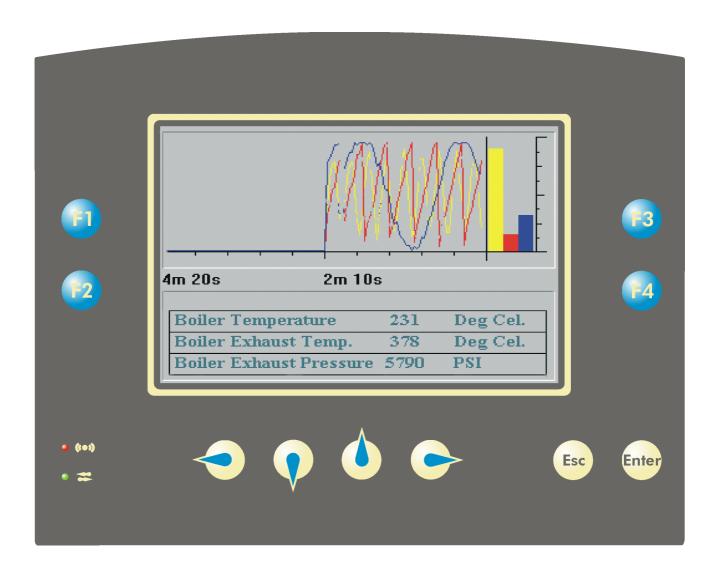
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Specification	Description
Display Variants	 320 x 240 pixel (1/4 VGA) colour STN.
	 640 x 240 pixel (1/2 VGA) colour STN.
	- 640 x 480 pixel (VGA) colour STN.
Backlight	Reflective or CCFL backlight option.
Window	Clear Polyester with anti-glare finish.
Contrast control	Contrast adjustment via software, including temperature compensation.
Operating System	Windows CE 3.0™
Processor	32 bit embedded processor based on RISC CPU.
Power Supply	24VDC. No AC input capabilities. Protection provided for reverse polarisation.
- Connection	Physical connection for power source is via two-part screw terminal connector accessible at rear of enclosure.
Memory	
- DRAM	Upto 32MB of EDO DRAM or SDRAM
- FLASH	Upto 8MB of FLASH data storage.
Serial Ports	Two serial ports, each accessible at rear of enclosure via a standard 9-way female D-type connector. Serial port shall be software configurable to support RS232 and both 2-wire and 4-wire RS485 / RS422, including multi-drop.
Printer Port	Single printer port, accessible at rear of enclosure via standard 25-way D-type connector.
RTC	Battery backed real time clock.
Membrane	
– Keys	A total of 10 tactile membrane keys, using chemically resistant Polyester. The keys will consist of the following: 6 keys for system navigation: - 4 direction keys; up, down, left and right. - Escape. - Enter. 4 keys for user programmable functions. These keys are not re-legendable.
Expanded keyboard	Option for product variant with extended number of keys. To provide full range of alpha-numeric keys (10 keys, telephone style) and 12 additional user programmable function keys (relegendable)
– Status Indicators	 2 LEDs provided on membrane: Serial port activity. User configurable alarm. Expanded keyboard version to also provide a software configurable bicolour LED on each of the 8 programmable function keys.
Touch Screen	Rugged analogue resistive touch screen overlay.
Connectivity	
Ethernet	100/10 Base-T auto-sensing Ethernet interface.
- USB	Universal serial bus interface for peripheral connectivity.
Sounder	Internal buzzer provided for key presses and other alternative events, as determined by application software.
Expansion	Expansion capabilities.
Enclosure	Two part plastic injection moulded case.
Dimensions	10 key variant estimated 250mm x 200mm x 100mm 32 key variant estimated 250mm x 250mm x 100mm
– Weight	10 key variant approx. 1kg 32 key variant approx 1.25kg
Mounting	Panel mounting. No mounting studs, unit fixed into place using clips.

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Environmental	
Temperature	Operating 0 – 50C, non-operating –20 to 60C
RelativeHumidity	5 to 90%.
Vibration	Operating 5 to 250Hz 1G.
Enclosure	Designed to meet IP65 / NEMA4/12 in front of panel only.
CE compliance	
Emissions	EN50081-1 Class A radiated and conducted emissions.
Immunity	EN50082-1 Light industry immunity.
Safety	EN60950 Low Voltage Directive.



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