Technical data
MTL HMI and visualisation

September 2015
EPS MTL GECMA RT 22

CROUSE-HINDS
SERIES

MTL GECMA RT 22"

Remote terminal for hazardous areas - zone 1/2 (gas)

- **Platform, modular design concept**
- **Slimline housing**
- **Specified for use in hazardous areas**
- **Display options 19" - 24", in different resolutions***
- **Fibre optic or copper* data transmission**
- **Highest dependability**
- **Future proof 'transparent' USB interface**
- **Savings of software licence costs**
- **Ex-approvals**

The MTL GECMA RT is an operating terminal designed to enhance visualization within your process using high resolution displays ranging from 19 to 24 inches*. They can be specified for use as a remote terminal within the strictest of hygienic conditions, aggressive indoor and outdoor production environments and in Ex areas typically found in Pharmaceutical, Chemical, Petro Chemical, Oil & Gas and Off-shore manufacturing.

This latest generation of MTL GECMA remote terminals from Eaton allows digital data communications to a localised terminal via copper* or fibre optic cable, giving you seamless transmissions over significantly longer distances if required. The video system will scale any known video input modes into the native format of the LCD panel whilst preserving the aspect ratio of the source image, offering the best image quality.

MTL GECMA RT displays are of the highest industrial quality, to ensure the best readability the terminal incorporates optical bonding and LED-backlit technology resulting in a high resolution image in a low power display.

The MTL GECMA RT has been designed to conform to a wide band of international Ex-approvals. International companies can operate using the same system, setup and interfaces worldwide, increasing overall safety, reliability and highest dependability across their business, whilst offering easy installation, individual design and consistency with a 'state-of-the-art' solution.

Its slim, flexible modular construction can be used in even the harshest environments and allows the MTL GECMA RT to be specified to meet your plants requirements with the added benefit of a quality product. This not only shortens delivery time considerably but with maintenance now possible by changing modules even on site, increases your plants availability.

MTL GECMA RT is also available with a large range of specialist housing options, the modular design concept enables you to benefit from a cost effective, tailored and customised solution for your application installation.

The new 'transparent' USB interface future-proofs your investment and allows easy expansion for additional connected devices, such as scanners or printers.

Existing systems can be upgraded quickly and easily without installing new cables, resulting in state-of-the-art visualisation technology utilising existing cables (applicable to copper* versions only).

SPECIFICATION (BASED UPON 21.5" DISPLAY VERSION)

ELECTRICAL

Screen size:	21.5 inch (54 cm) - across diagonal
Screen type:	LCD thin film technology (TFT) with LED backlight
Resolution:	1920 x 1080 pixels, lower resolutions are interpolated
Number of colours:	16.7 million
Brightness:	250 cd/m^2
Contrast ratio:	1000:1 typical
Viewing angle:	170/160° typical at CR $\geq$ 10
Touch screen (optional):	resistive 5-wire glass touch screen or polyester touch screen
Technology:	Proprietary full digital KVM transmission

SAFE AREA UNIT

Power supply:	100 - 240VAC 50/60Hz
Input power:	10W (typical) 48W (maximum) @ 4-fold Rack
Data and KB/ Mouse port:	USB
Serial port:	RS232
Video In:	DVI-D (DVI-I / VGA on request)
Video out:	DVI-D

DISPLAY UNIT

Power supply:	100 - 240VAC 50/60Hz or 24VDC
Input power:	70W (typical) 100W (maximum)
Keyboard/Mouse port:	PS/2, USB
Universal port:	4 x USB 2.0 intrinsically safe, transparent USB
Serial port:	RS232
Data cable (copper):	CAT 6A or higher recommended*
Fibre-optic cable:	Multi mode or Single mode

ENVIRONMENTAL

Temperature:	-10°C - +50°C wider temperature range on request
Ingress protection:	IP54 (front side)

MECHANICAL

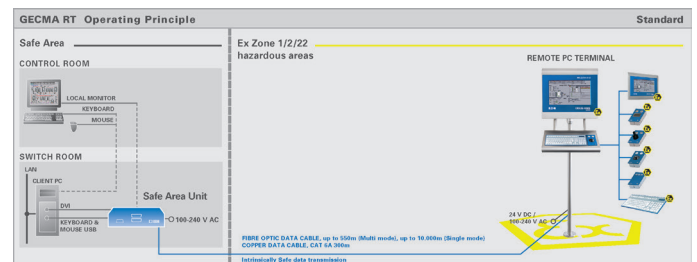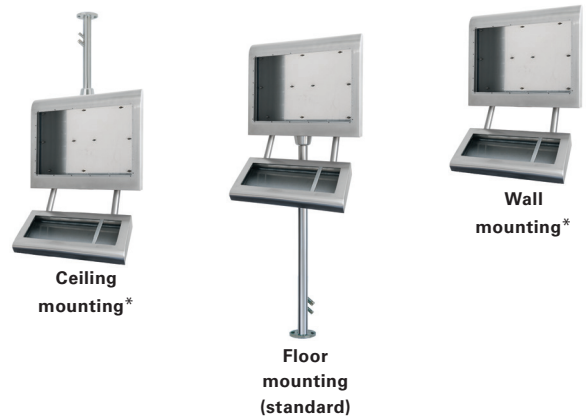|	
Housing material:	Stainless Steel V2A, EN std 1.4301, SAE grade 304 V4A, EN std 1.4404, SAE grade 316L (optional) Electro polishing (optional)
Display unit only Weight: Dimensions (mm):	Approx. 16 kg (W x H x D) 635 x 420 x 110
Complete terminal Weight: Dimensions (mm):	(Includes enclosure and peripherals, excludes mounting components) Approx. 56kg (W x H x D) 710 x 600 x 130

CERTIFICATION

Authority:	IECEx SIR 14.0033 SIRA 14ATEX5064

OPERATING PRINCIPLE

ENCLOSURE OPTIONS

Ceiling mounting*

Floor mounting (standard)

Wall mounting*

Further enclosure options on request

*Please contact your local sales office for these options

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The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.