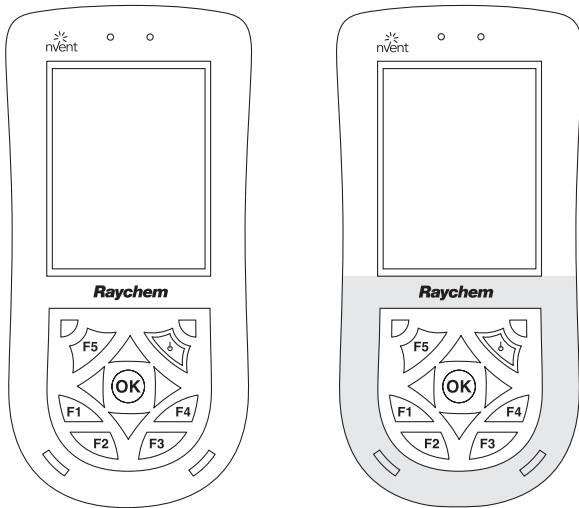


# NGC-CMA-EX and NGC-CMA-NH



**RAYCHEM**

## CONFIGURATION AND MONITORING ASSISTANT (CMA)



RAYCHEM NGC-CMA-NH

RAYCHEM NGC-CMA-EX

### PRODUCT OVERVIEW

The nVent RAYCHEM NGC-CMA is an easy-to-use wireless handheld device for configuration and monitoring of nVent RAYCHEM NGC-20 control units. The handheld device has an intuitive user interface eliminating the need for extensive training. The hand held device is available in two versions. For non-hazardous areas, use type handheld device: nVent RAYCHEM NGC-CMA-NH. For hazardous area Zone 1 (Zone 21) and Zone 2 (Zone 22), use type: nVent RAYCHEM NGC-CMA-EX.

### HARDWARE DESIGN

The RAYCHEM NGC-CMA devices are designed for high productivity in an industrial environment. They are protected against humidity, dust, corrosion and extreme ambient temperatures. The high impact resistant TFT display with touch-screen functionality guarantees ease of use.

### SOFTWARE

The RAYCHEM NGC-CMA software has been designed to provide full configuration and monitoring capabilities of the RAYCHEM NGC-20 control units. The RAYCHEM NGC-CMA allows wireless connectivity via Bluetooth® to any RAYCHEM NGC-20 unit within range. The devices are based on HP iPAQ technology and are running a Windows Mobile® operating system.

### GENERAL

	RAYCHEM NGC-CMA-NH	RAYCHEM NGC-CMA-EX
Typical use	RAYCHEM NGC-CMA-EX and RAYCHEM NGC-CMA-NH units are used for the configuration and monitoring of RAYCHEM NGC-20 of heat-tracing control units.	
Approvals/Certification	General industrial use as well indoors as outdoors. Non hazardous areas only.	II 2G EEx ia IIC T4 II 2D T99°C IP65 ZELM 04 ATEX 0200 EAC (Russia, Kazakhstan, Belarus) For other countries contact your local nVent representative.
Conditions of safe use	Refer to user instructions	Refer to Hazardous Area Certification
Environmental protection	IP65, anti-static, non corrosive and shock proof housing (shock proof up to 1 m)	
Compatible control units	RAYCHEM NGC-20-C-E, RAYCHEM NGC-20-CL-E	

## PRODUCT SPECIFICATION

	RAYCHEM NGC-CMA-NH	RAYCHEM NGC-CMA-EX
Operating temperature	-20°C to +60°C	-20°C to +50°C
Charging temperature	0°C to +60°C	Devices may not be charged in hazardous areas
Storage temperature	-10°C to +60°C	
Relative humidity	Storage and operation up to 90% relative humidity	
Dimensions	178 x 85 x 39 mm	178 x 85 x 39 mm
Connectivity	Integrated WLAN 802.11b, Bluetooth™ Class II, IrDA. USB via charger cord and USB docking station	
Operating system	Windows® Mobile™ 5 Software for Pocket PC - Premium Edition	
Processor	520 MHz processor based on Intel® XScale™ technology	
Bluetooth interface	Integrated Bluetooth Class II chip (1 mW TX power). The range of the wireless connection may vary depending on the site conditions. Always try to be in direct line of sight when setting up a connection. Try to avoid obstacles. Range only guaranteed up to 2 meter distance	
Memory	Random Access Memory (RAM): 64 MB SDRAM Read Only Memory (ROM): 128 MB flash ROM of which is minimum 80 MB user accessible depending on the operating system language	
Display	3.5" Transreflective TFT color display with 64,000 colors protected by means of a Makrolon™ protection foil (foil is not user replaceable). Unit can be set up to work in either landscape or portrait mode	
Audio	Integrated microphone and speaker	
Power supply	Rechargeable Lithium-Ion battery. Capacity variable depending on device type (NGC-PCMA-ORD = 2880 mAh and NGC-PCMA-ORD = 4000 mAh) Note: Battery life depends upon user's operational habits, configuration, use of wireless functions and backlighting. Batteries are not replaceable by user	
Charger	Input voltage: 100 ~ 240 Vac, 50/60 Hz. 0.3 A Output voltage: 5 Vdc, Max. 2 A (typical values)	
Software (included)	System tools: Pocket Word, Pocket Excel, Pocket Outlook, Internet Explorer, Jet Keys (virtual keyboard), Bluetooth Manager, File Store, (non-volatile data storage in Flash-ROM), iTask Manager Image Zone, Self test, Audio, Power Status and RAYCHEM CMA software	
Keyboard & buttons	ON/OFF Power switch, reset keys and 5 user programmable function keys, 5-way navigation field	
Kit Content	RAYCHEM NGC-CMA-xx unit with full featured RAYCHEM configuration and monitoring software pre-installed. Charger, Operating Instructions, Safety Instructions, Software CD (Microsoft license and windows mobile. This CD does not contain RAYCHEM software)	

## ORDERING INFORMATION & WEIGHT

	NGC-CMA-NH (0.55 kg)	NGC-CMA-EX (0.7 kg)
PN	1244-006606	1244-006605

## LIST OF ACCESSORIES AND SPARE PARTS

NGC-CMA-LCC (Leather carrying holster case)	1244-006580 (0.13 kg)
NGC-CMA-USB (USB data transmission set. This is not required in case the units are used with the NGC-CMA-BAY or the units are set up for wireless communication either via Bluetooth or Wireless LAN)	1244-006581 (0.19 kg)
NGC-CMA-BAY (Docking station)	1244-006607 (0.35 kg)

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