

# GMCU1610SD-FM

## CONTROL UNIT

event management and recording: faults and/or alarms.

**FM APPROVED Certified**

**Management up to:**

**5 independent lines**

**16 programmable inputs**

**5+10 programmable outputs**

Complete with:

- power supply 24Vdc - 3A code GMAL3SWM-FM + metal enclosure, painted RAL 3000 having dimensions 410 mm x 410 mm x 150 mm code GMCT2MS
- 4 levels of passwords to access the configuration [3 users + 1 technician]
- 500 memory positions with date and time
- Backlit display, 128 x 64 pixels.
- Power: 90-260Vac
- Battery and power supply check
- Continuous electricity check
- Extinguishing group management, code GMEXG-P-02: water temperature and pressure, solenoid valve coil, ball valve position sensor
- Temperature management with visualization of the value [°C] of one [1] temperature probe code GMSTV001D-EX-FM
- Dust management with visualization of the value [mg/m<sup>3</sup>] of one [1] triboelectric probe code GMTRBxxxD-EX-FM
- Protection: IP54**

**Complete with autotest software for managing test lamps [code GMTEST4-EX-FM and GMTEST5D-FM] and power supply with additional terminal blocks for connections [code GMAL3SWM-FM]**

**No backup batteries include    No Ethernet card included**



## INPUTS:

16 input lines (zones) for sensors GMSC243TH-EX, GMSC245D-FM, GMFD005-EX, GMFD005D.

**Line balancing** using 4700-ohm resistors (4K7ohm)

**LCD backlit display** 128 x 64 pixels

1 green LED for network indication.

1 yellow LED for anomalies.

1 red LED for blocked inputs.

1 blue LED for operation and other functions.

**Commands set** using membrane keyboard (16 keys)

**Memory** for 500 events with date, time and type of event

**Internal buzzer** for event notifications

## OUTPUTS:

- 5 relay outputs with close on referred negative, 5A 30Vdc, to activate the solenoid valve with coil integrity control.
- 3 relay outputs with close on referred negative, 5A 30Vdc, for test lamp, siren and flashing.
- 1 relay output, 5A 30Vdc, for sirens with polarity inversion.
- 1 relay output with a SINGLE DEVIATOR SWITCH, 5A 30Vdc, for general ALARMS.
- 5 relay SWITCH outputs, 5A 30Vdc, for general use with NO contact.

## POWER:

input from power supply GMAL3SWM-FM

output calibrated to 26Vdc, 3.0A

**Response time:** < 15 ms (Electronic)

**Absorbed power:** Max.: 65W

**Working temperature:** -5°C - +45°C

with enclosures (GMCT2MS, GMCT6MS, GMCT21MS)



**Control unit panel**

## ACCESSORIES:

(necessary for FM APPROVED certification)

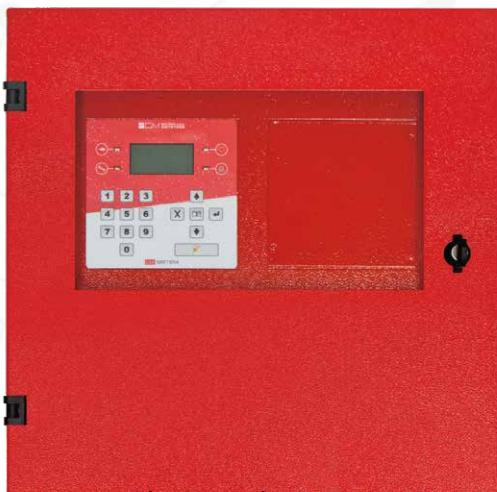


## BACKUP BATTERY (2 pcs)

**GMBT72A:** from 12Vdc - **7.2Ah**

EXAMPLE OF CONTROL UNIT COMPOSITION:

**GMCU1610SD-FM**



METAL CAP  
(included)  
**GMTC4**

SERIAL DATA LINES



ETHERNET CARD  
USB (optional)  
**GM-ETH-BT-1610-FM**

CONTROL UNIT  
PANEL (front)  
**GMCU1610SD-FM/S**



CONTROL UNIT  
PANEL (back)  
**GMCU1610SD-FM/S**



POWER SUPPLY  
**GMAL3SWM-FM**



2 PCS:  
**GMBT72A**  
(necessary for  
FM APPROVED  
certification).

