

# EHC-100

# Emergency Alarm Trigger Control Panel



## Features

- Connects to loop-trigger unit by CAN BUS protocol.
- Connects up to 64 of 8-loop-trigger units, reaching 512 emergency nodes.
- Supports ModBus protocol with graphics control software to monitor real-time status.
- Built-in RTC and lithium battery ensures data storage can reach up to 180 days upon power outage..
- Record 20,000 trigger data, includes the issuing time and the loop trigger unit number.
- Support NTP for for clock synchronization.
- When an emergency situation occurs, the alarm can be released online through the software.
- Watchdog function secures system free from halting.

## Ordering Information

### Package Content:

- Controller x 1
- Quick Start Guide x 1

### Supported Software:

- HGCS Graphic Control System

### Optional Accessories:

- 1/5/8 Loop Trigger Unit
- Alarm
- Panic Button
- Emergency Call Button

## Specifications

Model no.	<b>EHC-100</b>
CPU	32 Bit (supports ISP)
Memory	Recorded up to 20,000 records
LED Indicator	Power (R), Comm (R/G), Input x 3, Output x 5
Input Ports	Input × 3 (reserved)
Output Ports	Relay × 1 (Triggered when an emergency situation occurs) Relay × 1 (reserved) O.C. × 3 (reserved)
Loop communicator	Supports up to 64 units (up to 512 nodes by 8-loop trigger unit)
Communication Interface	Downstream: CAN x 1 (20K bps), Upstream: TCP/IP (10M/100M) Reserved: RS-485 x 3
Real Time Clock	Yes
Backup Battery	Yes (CR2032)
Power Input	DC 10V~26V
Current Consumption	300mA
Operating Temp.	-40°C ~ 70°C / -40°F ~ 158°F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension (mm)	150 (L) x 100 (W) x 30 (H)

## System Architecture

