# AUTOMATIC GENSET CONTROL UNIT WITH DIESEL OR PETROL ENGINE TYPE CAM-431



This starts, monitors and protects the generating set, and stops it in the event of an anomaly through solenoid valve or electromagnet.

It shows the main parameters of the generating set on the display.

## **COMPLETE WITH:**

- automatic battery charger
- protective fuses: control of the contactors for mains, generator and battery power supply.

### Texts in:

Italian
English
German
French
Spanish
Portuguese

- Single-phase voltmetric mains/generator control
- Automatic monitoring of anomalies
- **EJPFunction**
- **☐** Glow plugs preheating management
- **■** Starter control
- Remote controls (starting-test-stop)
- Available input for anomaly
- Clock for programming the starting or the stopping of the genset
- Programmable weekly selftest
- Anomaly historical record (Including data from the last 100 anomalies).



# **BRIEF INSTRUCTIONS**

**PUSH BRIEFLY** TO SHOW THE **INSTRUMENTS** HOLD DOWN TO VERIFY THE LED TEST OR THE **GENERAL ALARM** SILENCING AND TO VIEW THE HISTORICAL RECORD

THE FUEL LEVEL **INDICATOR** IS DISPLAYED

THE ENGINE COOLING IS DISPLAYED

#### TOTAL HOUR METER

THE DISPLAY SHOWS **CLOCK FOR** PROGRAMMING THE STARTING OR THE STOPPING OF THE GENSET

333

PARTIAL HOUR METER. SHOWS HOURS OF OPERATION SINCE THE LAST TIME THE GENERATOR SFT WAS SWITCHED ON.

ů

₽

每

4

RESET

PRESS TO SELECT THE FUNCTIONS OF:

- AUT • OFF MAN
- OFF AUT 0 • TEST

REMOTE CONTROLS INDICA-DESCRIPTION TION ON THE

DISPLAY STARTING START STOPPING STOP **EJP STARTING START EJP EJP** SWITCHING

CONSENT CALL FROM EX TERNAL VOLT-METRIC RELAY

**(1)** EJP ◆

**AVAILABLE FAULT** 

STARTING **FAILURE ALARM** 

STOPPING DUE TO OVERFREQUENCY

STOPPING DUE TO ENGINE **OVERHEATING** 

MAINS IS CONNEC-TED TO THE USER

MAINS VOLTAGE IS PRESENT

BATTERY CHARGER IN OPERATION

**CUMULATIVE** ALARM

STOPPING DUE TO: INSUFFICIENT OIL **PRESSURE** 

PRESS TO RESET. THIS OPERATION **REACTIVATES** ALL THE BLOCKED **FUNCTIONS** 

#### THE DISPLAY SHOWS: • VOLTMETER · MAINS/GENSET **AMMETER** • GENSET MAINS GENERA-QUENCY TOR **METER BATTERY EMERGENCY** STOP THE GLOW PLUGS PREHEATING IS DISPLAYED DISPLAY SHOWS: THE TOTAL OPERA-TING HOURS AND THE GENSET **FREQUENCY**

NO FUEL

**GENERATOR IS** 

CONNECTED TO

ALARM DUF TO

THE USER

THE GENERATOR VOLTAGE IS ON: LED ON

• GENERATOR UNDER-VOLTAGE: FLASHING LED (A FLASH THEN A PAUSE)

 GENERATOR OVER-VOLTAGE: FLASHING LED (TWO FLASHES THEN A PAUSE)

· GENERATOR DOES NOT SUPPLY: FLASHING LED (THREE FLASHES THEN A PAUSE)

#### **ENGINE IS RUNNING**

PRESS TO START THE ENGINE WHEN THE **CONTROL UNIT** IS IN MANUAL **OPERATION** 

STOPPING DUE TO: BELT BREAKAGE BATTERY CHARGING FAIL URF

PRESS TO STOP THE ENGINE WHEN THE CONTROL UNIT IS IN MANUAL **OPERATION** 

STOF

KEY ENABLED WHEN THE CONTROL PANEL IS IN MANUAL OPERA-TION. PRESS TO DIVERT THE POWER USERS TO THE MAINS OR TO THE GENERATOR, WHEN THE ENGINE IS RUNNING

## INSTRUMENTS

- **MAINS VOLTMETER**
- **GENERATOR VOLTMETER**
- **GENERATOR FREQUENCY METER**
- MAINS/GENERATOR AMMETER
- 0 **TOTAL HOUR METER**
- **PARTIAL HOUR METER**
- **BATTERY VOLTMETER**
- **FUEL LEVEL INDICATOR**

SYNCHRONOUS READING OF THREE INSTRUMENTS

## **TECHNICAL DATA**

- BATTERY POWER

SUPPLY

- DEGREE OF PROTECTION

FRONT

REAR

- DIMENSIONS (LxHxP) mm

- HOLE mm

12 VDC or 24 VDC

**IP64** 

IP00

243 x 170 x 62

227x155