



1971-2011 40 years  
the power to control

Fleischmann  
**unitro**<sup>®</sup>  
**STÖRMELDESYSTEME**

## CC24plus Compact Central Fault Indication Unit

### Types:

#### **CC24plus**

central fault indication unit for  
24 message lines with **RGB LED-display**,  
two flashing frequencies,  
UPS and telephone dialer



### Controls and displays

- Bright 5mm **RGB LED display**
- Separate status indicator
- Easily exchangeable label strips
- Integrated mini horn and functional keys
- **Built-in Ethernet port with Web server for visualization**

### Parameterization

- Built-in USB port and Ethernet port (FTP) for parameterization from Windows 7 Pro
- Operation, fault per message
- Quiescent / operating current, relevant / irrelevant – for each signal
- Response delay variable for each signal from 1s to 254s
- New value flash warning with 1 or 2 flash rates
- 4 relay contacts, NO or NC contact, inputs freely assignable to outputs

### Electrical characteristics

- 24 message lines 2-pin 24V AC/DC, 8mA ± 15%, (alternatively internal supplied with 24V)
- Acknowledgeable new value flash warning with 1 or 2 flash rates (DIN 19235)
- Minimum signal duration 10ms
- EMC-values: Unitro-Standard in accordance with EN 61000
- Outputs: 5x relay, 1 NO or NC contact, max. 250V 5A  
including 1x relay output for horn, max. 250V 5A
- Separate connection for acknowledging the horn

### Mechanical characteristics

- **On wall mounting** PS 233 x 200 x 99,5mm **with hinge** for front panel
- Screw terminal plug connection, max. 1,5mm<sup>2</sup>
- Extended terminal compartment with embossed **for cable glands from behind and below**

### Option

- Integrated UPS
- Integrated analog modem for remote **alarm via voice (Text to Speech)**
- 2 wire bus connection (LON-bus)



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### Type of construction:

- Bay: On wall mounting (PS) 233 x 200 x 99,5mm **with hinge to open the front panel** (Insert the label strips)
- Weight approx...: 1.500g with rechargeable battery 2.700g
- Degree of protection: IP54, **terminal box embossment for ports from behind + below**
- Climatic conditions: 5 to +55°C, 5 to 85% relative humidity
- LED-display: **27 RGB LED**
- Labelling: exchangeable marking strips double spaced inscribable
- Function buttons: integrated buttons for test, horn and 2x acknowledge flashing
- Integrated horn: Piezo buzzer

### Behind separate terminal cover:

- Connection: Screw terminal plug connection max. 1,5mm<sup>2</sup>
- PC connection: USB-B socket
- Analog telephone connection: RJ11 socket
- Ethernet: RJ45 socket
- Power supply: 24V AC/DC (= 15-50V AC, 19-60V DC) or 230V AC (= 120-250V AC)
- Power loss: 15VA
- Max. back-up fuse: 10A L
- Internal fuse: Picofuse 1,6A slow

### Inputs:

- Input level for signal inputs: 24V AC/DC 8mA, ± 15%, alternatively internal supplied with 24V
- Minimum signal duration: 10ms

### Outputs:

- Output relays: 5x relay, 1 NO or NC contact, max. 250V 5A including 1x relay output for horn, max. 250V 5A
- Horn acknowledge: Separate connection for acknowledging the horn
- **Built-in Ethernet port with Web server for visualization**
- EMC, immunity to interference: Unitro-Standard in accordance with EN 61000

### Option UPS:

- Rechargeable battery: Gas-proof, lead- gel rechargeable battery 24V 1,2 Ah
- Floating time 100% ED: 3h
- Floating time signal standby: 10h
- Connection for external battery: max. 2,2Ah

### Option Tele:

- Analog telephone modem for 28 **voice messages (Text to Speech)**

### Option LON- Bus:

- FTT 10 2-wire output for parallel tableau and GLT connection

### Programmer menu:

Programming via USB or Ethernet port connector from Windows 7 Pro, the following parameters:

- Message as a fault or run signal (display only)
- Message with horn, -horn without or with an automatic acknowledgment
- Acknowledgeable new value message with 1 or 2 flash rates
- 24 messages (voice) every 17s be digitally stored
- 4 Battery status messages: battery operation, defect, low voltage and power recovery
- Message texts via **TTS (Text To Speech)**
- - Acknowledgment by front buttons on the unit,
- - Telephone acknowledgement via acknowledgment code
- In case of non-acceptance or failure to acknowledge the message forwarding announcement within 4 to play the numbers dialed
- **LED colors available: red, green, yellow, blue**
- Ethernet network and FTP configuration
- Message relevant or not relevant
- Quiescent current or operating current message
- Response delay variable for each signal from 1–254s
- 4 relay contacts, NO or NC contact, inputs freely assignable to outputs
- Automatic cut-off horn max. 254s
- Assignment of the 28 message texts on 6 connecting sections each with 4 numbers
- Basically with start text for each message, and 7 text modules (acknowledge text)
- Delay of phone messages up to max. 60 min