FC3000X with Extractible Central Unit

Live LV Feeder and Phase Identifier
6 to 12 feeders (with or without neutral)

CONFORMITY
CE marking

USE
Simple to use, this device enables a technician working alone to quickly identify and check the substation, the feeders (from 6 to 12 feeders) and the phase supplying each customer connection, in seconds!

Applications
- Checks the network layout in seconds while maintaining energy distribution – updates cable mapping
- Helps to balance the loads on the phases of the low voltage network
- Also enables you to find a subscriber’s LV power distribution substation

ADVANTAGES

Simple to use
- The Central Unit (CU) is connected to all the feeders on a LV supply substation with a frequency of 50 Hz or 60 Hz.
- Extractable CU, thanks to its compactness the Central Unit can be left in a feeder pillar with doors closed.
- The Line Unit (LU), connected to all points of the network (customer, connection box, …), automatically provides you with all the useful information:
  - Local voltage measured
  - Phase n° L1, L2 or L3
  - nb of feeders in the substation from 1 to 6, from 1 to 9 or from 1 to 12
  - Power distribution substation n° (CU n°) from 1 to 8
- Didactic operating instructions on the Central Unit (CU)

Note : possibility of using several CUs, which can be numbered, to extend the range of operation to several power distribution substations.

The safety of the operator and the installations is guaranteed
- Category IV device protected by HRC fuses
- Fused IP2X connectors (Ø4 mm fittings and test probes), overvoltage category 1000V – Cat.IV

Reliable
- Feeder/cable identification signal secured by current tapping
- Communication on the LV network BT between the 2 units by pulse sequences compatible with CPL and smart grids
- Built self-test
- Sealed LU protected against outside risks

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The LV feeder and phase identifier operates on all types of cables, whatever the environment
• In urban, suburban ad rural areas
• However long the cable

A robust, complete practical kit designed to last
• Central Unit in an unbreakable sealed case, also used to store and carry the Line Unit as well as all the accessories
• Line Unit protected by a shockproof shell case made of a soft material

TECHNICAL SPECIFICATIONS

Central Unit (CU) :
• Nominal voltage (phase-neutral) : 115 - 230 Vac
• Nominal voltage (phase to phase) : 200 - 400 Vac
• Rated voltage : 440 V AC
• Frequency : 50 Hz or 60 Hz
• Input protection (fuses on board and leads)
• Connectors for sensors : 12
• Sensors : 6, 9 or 12 on request
• Number of CU ID code (units waking in the same area) : 8
• IP protection : IP54
• Operating temperature : from -10°C to +55°C
• Over all dimension : 330 x 260 x 100 mm, or 13” x 10” x 4”
• Weight : 4.5 kg / 10 lbs
• Mechanical protection : Rubber shell

Line Unit (LU) :
• Supply : 4 x 1.5 V AA batteries
• Operating voltage : 100-290 V

Measure and display of voltage :
• Maximum rated voltage : 480 Vac
• Frequency : 50 Hz or 60 Hz
• Input protection (fuses on board and leads)
• IP protection : IP54
• Operating temperature : from -10°C to +55°C
• Over all dimension : 240 x 130 x 66 mm, or 9.5” x 5” x 2.6”
• Weight : 1.3 kg / 2.9 lbs
• Mechanical protection : Rubber shell

Packaging, Waterproof heavy duty carrying case :
• Over all dimension : 474 x 415 x 214 mm, or 18.6” x 16.3” x 8.5”
• Weight : 9.5 kg / 21 lbs

<table>
<thead>
<tr>
<th>Reference</th>
<th>#</th>
<th>Frequency</th>
<th>Dimensions / Weight</th>
<th>Device complete reference example</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC3000X</td>
<td>6</td>
<td>50 et 60 Hz</td>
<td>L=474 x l=415 x h=214mm Approx weight : ~ 9.5 kg</td>
<td>F C 3 0 0 0 X 1 2 G B National variation 12 feeders</td>
</tr>
<tr>
<td></td>
<td>9</td>
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<tr>
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<td>12</td>
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# = Number of feeders

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