

MiCOM *fit*

INNOVATIVE RETROFITTING SOLUTIONS



Fig. 1 CDG31 Relay in Service

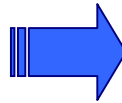


Fig. 2 Retrofitted with MiCOM *fit*

Features

- Customised retrofitting solution to replace old electromechanical relays with MiCOM relays
- Instant retrofitting Solution
- Does not require shutdown of primary equipment
- No change required in Panel wiring
- Aesthetic appeal

Application

MiCOM *fit* is a series of retrofitting solutions designed to replace old electromechanical relays with latest MiCOM technology relays. This can be used to change ALSTOM make electromechanical relays in drawout case to MiCOM Px2x series of relays. The MiCOMfit can be customised to utilise the maximum functionality of the new relay with no or minimal change in the panel wiring. The front

panel of MiCOM *fit* is designed keeping in mind aesthetics of the cubicle after retrofitting. This solution can cover all applications like overcurrent, Voltage, Frequency, etc. and can work in co-ordination with the existing CTs & PTs .

Construction

The MiCOM *fit* products are designed to fit into the existing drawout case of the electromechanical relay. This enables retrofitting to be done without disturbing the existing wiring. The solution consists of the appropriate MiCOM relay (depending on the application) fitted into the cradle of the drawout type electromechanical relay. The connections from the cradle of the electromechanical are wired permanently to the case of the MiCOM relay. With this arrangement,

the MiCOM **fit** assembly can be inserted into the case of the existing relay mounted on the panel as shown in Fig. 3. The MiCOM relay is then fitted in to this assembly. An aesthetically designed front cover encloses this assembly as shown in Fig, 2

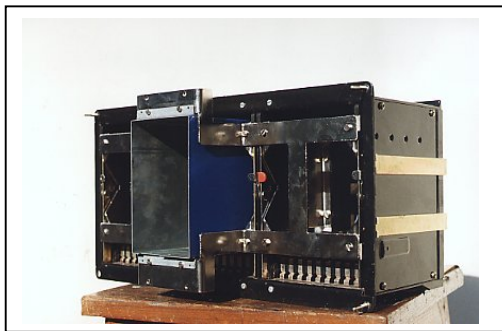


Fig. 3 MiCOM **fit** assembly in Case

Benefits

- Retrofitting in less than **1 min.**
- No skilled manpower required for retrofitting – Since the MiCOM **fit** is supplied with the settings and wiring made at factory, no skilled staff is required at site for retrofitting
- Requires no shutdown of primary equipment.
- Facility for Injection testing without external test blocks. Since existing case is being used, secondary injection testing can be done by using injection plugs inserted in to the cradle.

- Modern Technology solutions

What do you get?

Every order for MiCOM **fit** is supplied with the following items

- MiCOM **fit** cradle wired.
- MiCOM relay programmed according to the details provided.
- Wiring diagram
- MiCOM S1 software (one per order for every order more than 5 nos.)

Information required with order

- Application (O/C, O/V, etc)
- No. Of poles (3, 1, etc)
- Auxiliary DC supply rating (if existing relay is self powered, then details of available auxiliary supply AC/DC and rating)
- Existing Drawing (if available)
- Any extra feature expected in the new relay (Communication, A/R, etc)

Protection Information

For information on the protection features, please refer to the relevant MiCOM relay publication.

ALSTOM

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