

DEH-41459 Installation Instructions

EntelliGuard® G Circuit Breaker

Accessories

Key Interlock Kit Cassette Mounted

Introduction

Key Interlock Kit:

The locking device has the following functionality:

1. Locks the entry aperture of the racking handle in closed position.
2. Locks the breaker moving portion in the cassette in one the following positions: DISCONNECTED, TEST OR CONNECTED.
3. Locks the breaker in 'OFF' position and prevents it from being switched ON.

Three types of locks can be placed.

- RONIS 1104B Standard key 1/4 inch clockwise rotation to trap the key.
- OR- - PROFALUX B204DY With key type S1 1/4 inch clockwise rotation to trap the key.
- OR- - KIRK B204DY With key type S1 1/4 inch clockwise rotation to trap the key.

The device is available in two versions.

1. Factory mounted mechanism:

The breaker/device is supplied off works with all cams and screws allowing the user to mount a separately acquired ABB type lock kit.

2. Field mountable device:

A kit is supplied allowing the field mounting of the locking mechanism and allowing the use of a lock of the correct type purchased elsewhere.

	WARNING: Before installing any accessories, turn the breaker OFF, disconnect it from all voltage sources, and discharge the closing springs.
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	AVERTISSEMENT: Avant d'installer tout accessoire, mettre le disjoncteur en position OFF, le déconnecter de toute tension d'alimentation, et décharger les ressorts d'armement
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Catalog Number:

Catalog No	Description
GCPROR	Profalux Cassette Interlock Kit
GCRONR	Ronis Cassette interlock kit
GCKRKR	Kirk Cassette interlock kit

Installation of key locks on Cassette.

1. Remove the dummy lock on the cassette front panel if installed (Fig.1) or Remove the knock-out feature on the Cassette front panel (Fig. 1) & clean the flash with any sharp pointed Tool. Ensure no flash or projections left out & cavity is free for insertion of lock.



Figure 1
Dummy Lock
Knockout



Figure 2

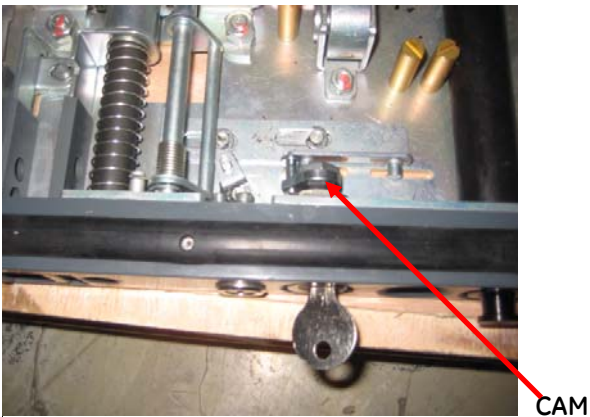


Figure 3

2. Remove M22 nuts from the Ronis /Profalux lock.

3. Insert the Lock body in to the front panel cavity (Fig 2). Assemble M22 nut on to lock body from inside of cassette & Turn until it reaches Cassette base plate face.

4. Assemble the key lock cam on to the Lock body. Orient on the slot. Tighten nut supplied along with lock body. (Fig 3).

Key lock operation.

1. Remove racking handle from the Crank insertion aperture if the handle is in place.

2. Press the OFF button on the breaker fascia & open the breaker. Shown in Fig. 4

3. With the OFF button in pressed condition turn the key on the key lock anticlockwise by 90 degree till it reaches dead stop (Fig. 5). Remove the key. Device is now locked out.

4. It should not be possible to open the racking handle aperture shutter. Verify this by attempting to open the shutter drive by placing a screwdriver and rotating it clockwise as depicted in Fig. 6.

5. It should not be possible to switch the breaker 'ON'. Verify this by attempting to turn the breaker 'ON' by depressing the 'ON' switch button on the breakers front fascia.



Figure 4



Figure 5



Figure 6



Figure 7 – Locked condition

These instructions do not cover all details or variations in equipment nor do they provide for every possible contingency that may be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to the ABB Inc.

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