

DEH-41406 Installation Instructions

Entelligaurd® G Circuit Breaker Accessories

Time Delay Module

Introduction

Time Delay Module:

The de-energizing operation of the undervoltage release can be delayed. This optional, externally mounted, module has an adjustable time delay of one to three seconds. The device can be implemented to prevent un-desired Breaker 'tripping' due to momentary voltage outages (50% of rated Voltage) and is connected in series with the under voltage release. The delay is in addition to the Under Voltage Release delay of 50 msec. The breaker must have a UVR installed for the External Time Delay Module to work.



Table 1. Catalog Numbers and Ratings

Catalog No	DC Voltage	AC Voltage
GTDM048D	48VDC	
GTDM048A		48VAC
GTDM060D	60VDC	
GTDM120A		120-130VAC
GTDM120D	110-130VDC	
GTDM208A		208VAC
GTDM240A		220-240VAC
GTDM240D	220-240VDC	
GTDM250D	250VDC	
GTDM277A		250-277VAC



WARNING: Before installing any accessories, turn the breaker OFF, disconnect it from all voltage sources, and discharge the closing spings.



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

Refer to DEH-41410 for the Under Voltage Release in the breaker

Use the following procedure to install the Time Delay Module (TDM) accessory into the circuit breaker.

1. Verify that the rating on the Time Delay Module (TDM) identification plate matches the voltage rating required for the application, as listed in Table 1.
2. The time delay module has to be mounted external to the breaker.
3. Switch off the breaker & equipment and ensure the panel is isolated
4. TDM module can be mounted in two ways either using two M4 screws on the panel or to a din rail.
5. For assembling using the screw, drill and tap two M4 holes at a distance as shown in the Fig. 1.

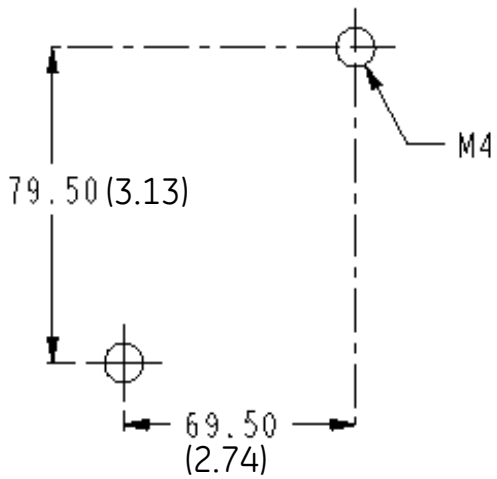


Fig 1: Mounting holes location dimensions are in mm (Inches)

6. Assemble the TDM module with two M4 screws as shown in the fig 2.



Figure 2. TDM mounting

7. Alternatively TDM can be mounted on a din rail as shown in the fig 3.



Figure 3. Din rail mounting

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.