

MOVITRAC[®] 31C Frequency Inverters

Addendum to the Installation and Operating Instructions

FIT31C "TF/TH Evaluation"

Edition 05/98

- This addendum does not replace the detailed Installation and Operating Instructions!
- Equipment may only be installed and commissioned by qualified electrical personnel in compliance with the applicable accident prevention regulations and the MOVITRAC[®] 31C Installation and Operating Instructions!

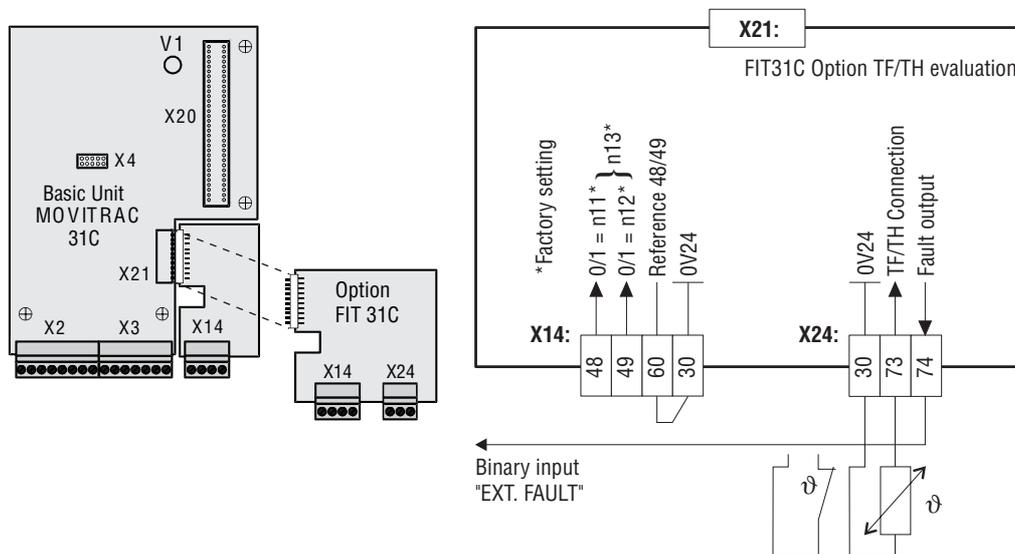


FIT31C "TF/TH Evaluation"

(Part number 822 710 1)

The FIT31C "TF/TH Evaluation" option can be used in MOVITRAC[®] 31C, size 1...4 (31C008...31C450) units. The FIT31C unit cannot be used in MOVITRAC[®] 31C, size 0 (31C005...31C014) units. The FIT31C option is plugged into the X21 option slot. If fitted, the X14 terminal expansion must be removed beforehand.

It is not possible to use the FIT31C together with the FEN31C or FPI31C options.



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X24:74 (fault output) is a binary output ($I_{max} = 50 \text{ mA}$) which has the following characteristics:

- "0" = motor temperature too high or TF/TH lead open circuit
- "1" = motor temperature within the permissible range

X24:74 is connected to a binary input which is programmed to the function "EXT. FAULT". If X24:74 = "0", the unit will trigger a rapid stop.

MOVITRAC[®] 31C meets the requirements for safe and reliable separation of the power and control sections in accordance with EN 50178. The FIT31C option has the same supply voltage level as the control board. If a circuit is connected to the control board of the unit which is not safety-separated, then the MOVITRAC[®] 31C's protection by electrical separation is no longer given.



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