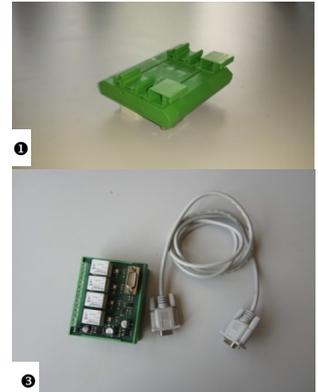


User's manual AFH-02

SAUTER AFH-02 relay module



Machine control by means of control outputs

Features

- In order to control the machine operations with the use of a dynamometer it is necessary to process the dynamometer control signals in terms of the machine control system.
- As the output signals of FH dynamometer are too low for direct control of the operations, a relay module is used for their processing which allows for operation with constant/variable voltage from 20 to 35 V.
- The dynamometers of FH series of SAUTER company make it possible after setting the values in the device to control various outputs. It is possible to control 3 outputs.
 1. the measurement result is lower than the lower limit value (LoLt option in FH dynamometer menu),
 2. the measurement result is higher than the upper limit (HILt option in FH dynamometer menu),
 3. the measurement result exceeds Stop value (StoP option in FH dynamometer menu).
- The system of the relay module connections allows setting 4 control options:
 - value below the lower limit,
 - value is OK (between the lower and upper limit),
 - value above the upper limit,
 - exceeding of the Stop value.
- The relay module is intended to be fixed on 35/15 mm rails ❶ which conform to DIN 50022 standard as well as for universal assembly in the control cabinet.
- The relay module is equipped in 4 relays, each with one potential-free change-over.
- The dynamometer is connected to the relay module with the use of SUB-D plug-in socket ❷.
- The scope of delivery ❸: a relay module, a connection cable ca. 1.5m long.

Assignment of terminals

	Break contact	Common potential-free contact	Make contact
Lower limit value	Ö1	C1	S1
OK	Ö2	C2	S2
Upper limit value	Ö3	C3	S3
Stop	Ö4	C4	S4

Technical data

Input voltage	from 20 to 35 V, constant/variable voltage
Relay connection voltage	250 V/10 A
Dimensions	90 x 77 x 41 mm
Compatibility	with the equipment software of FS dynamometer from S 5.28 version with full range of functions, below with limited operation (no useful 'Stop' signal).