MHY 535
Addressing Preparation

The MHY 535 Addressing Preparation is a service preparation intended for setting of addresses and parameters of interactive detectors in the Electric Fire Detection and Alarm System LITES. Can also be used for checking of automatic conventional detectors.

The preparation is intended for change of an address, parameters and checking of interactive fire detectors, interactive action units, addressable unit, technological units and linear smoke detector of analogue fire detection and alarm systems LITES. Can also be used for checking of older types of addressable and nonadressable detectors.

The MHY 535 Addressing Preparation is a mobile digital device supplied from a built-in battery that is operated through six buttons. Adjusted and controlled data are displayed on an alphanumeric LCD display 2 × 16 characters. It is used when putting electrical fire alarm equipment into service, service repairs and maintenance, periodic inspections of serviceability etc.

The preparation also allows checking of parameters mentioned below:

- electrical sensitivity of heat or smoke detectors by automaticly regulated activation voltage U_A, (non-addressable and addressable detectors)
- background of optical detectors
- address of addressable detectors
- check of parallel signaling

With the preparation it is possible to do measurement on a line that allows checking of addresses of line elements including adjustment and state of addressable and interactive elements. Alco san me used as an DC voltmeter.

BASIC TECHNICAL PARAMETERS

Supply voltage (built-in AKU)		7,4 V_{DC}
Current consumption		max. 50 mA
Output voltage for detectors		(21,5 ± 0,5) V
Activation voltage range U_A		(0 ÷ 20) V
Activation voltage rise rate	- heat detectors	0,02 V/s ± 10 %
	- other detectors	0,1 V/s ± 10 %
Measurement range U_{imp}		0,12 ÷1 V_{DC}
Range of measurement of quiescent comsumption		(0 ÷ 500) µA
Voltmeter range		(0 ÷ 50) V_{DC}
Input resistance of voltmeter		>10 MΩ
Parallel signaling control		red LED
Protection according to ČSN EN 60529		IP 30
Dimensions		(200 × 112 × 50) mm
Weight		cca 0,55 kg

Product is intended for operation with safe equipment in sense of ČSN EN 60950.

DETECTORS AND ELEMENTS CONNECTABLE TO PREPARATION MHY 535

Interactive: MHG 161, MHG 162*, MHG 243, MHG 261, MHG 262, MHG 262i, MHG 361, MHG 362, MHG 861, MHG 862, MHG 862i, MHG 186*, MHG 283, MHG 383, MHG 661, MHG 662, MHG 664**
MHY 419, MHG 942, MHG 943, MHY 922, MHY 923, MHY 924, MHY 925

Addressable: MHG 141, MHG 241, MHG 341, MHG 142, MHG 242, MHG 941, MHY 409, MHY 909, MHY 910, MHA 141, MHA 142*, MHA 143, MHA 144, MHA 145*, MHA 183, MHA 184*

Non-addressable: MHG 120.023, MHG 120.024, MHG 123, MHG 124, MHG 220, MHG 231, MHG 320, MHG 321, MHG 331, MHG 531, MHG 181, MHG 185, MHG 282, MHG 385, MHG 386, MHG 585

Adjustable parameters offered by MHY 536 for particular types of interactive detectors are the same as those offered by configuration program for analogue addressable C.I.E.s.

To the interactive detectors (active elements) can be assigned an address in the range from 1 to 128.

Note: When connecting to C.I.E.s MHU 110, MHU 111, MHU 115, MHU 116 and MHU 117 the detectors are primarily adjusted by C.I.E. according to setting in cofiguration program.

Note: * With developement of new types of detectors, the upgrade of firmware is needed. Preparation with out of date firmware allows only change of an address.
** This preparation dos not support the function of motorical optics adjustment

WORKING CONDITIONS

Preparation is suitable to use in areas protected against weather conditions with classification according to ČSN EN 60721-3-3:

K: climatic conditions for environment	3K3
- working temperature range	+5℃ to +40 ℃
- max. relative humidity	≤ 80 % at 40 ℃
- without condensation and ice accretion	
Z: special conditions	3Z1 heat radiation negligible
B: biological conditions	3B1 without presence of flora and fauna
C: chemical active substances	3C1
S: mechanical active substances	3S1
M: mechanical conditions	3M1

Note: When measuring parameters of detectors the environment must be without presence of smoke, aorosols, technical gases, water dew, dust and other impurities. When measuring ionization detectors the air flow must not be faster than 0,5m/s.

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