

MHY 735 – Air Conditioning Adapter

The MHY 735 Air Conditioning Adapter is a device of the Electric Fire Detection and Alarm System that is used if detectors have to be protected from the influence of excessive speed air flow (e.g. in an air conditioning conduit).



Adapter for air conditioning is a plastic box with transparent cover with 2 pipes through which air is carried inside the adapter.

Adapter is to be used in case when the detector cannot be installed directly (for example in air conditioning pipelines, when air flows at high speed). When the air flows in the pipelines, it is sucked through the input pipe inside the adapter where it is slowed down, so that there are optimal conditions for the detector's functionality. Sucked air is then released through the output pipe back to the air conditioning pipelines.

Adapter comes in two variants. First one marked MHY 735 with pipes length 170 mm, second one MHY 735.146 for smaller dimensions of pipelines with pipes length 98 mm. Both variants are identical except the pipes length.

To the adapter MHY 735 (MHY 735.146) it is possible to install these types of mounting bases:

MHY 734 – mounting base for addressable interactive detectors (MHG 161, MHG 162, MHG 243, MHG 261, MHG 262, MHG 861, MHG 862), connected to an addressable control panel (MHU 109, MHU 110/111, MHU 115, MHU 116/117)

MHY 734.029 - mounting base for conventional non-addressable detectors (MHG 231) connected to conventional control panel (e.g. MHU 113).

MHY 734.037 – autonomous mounting base with screw terminals. Allows autonomous use of detector outside the FDFAS. Is powered from external power source. For connection of detectors MHG 261V, MHG 262V, MHG 861V, MHG 862V. Mounting base's outputs are relays FIRE and FAULT. Lines are connected to screw terminals.

MHY 734.038 – autonomous mounting base with crimp connector. All properties are identical as MHY 734.037.

Mounting base and the detector are not product's accessory and are sold separately.

Working conditions

Application of the detector is in areas protected against weather conditions with classification according to ČSN EN 60 721-3-3:

K: climatic conditions for environment	3K5
- working temperature range	from -5°C to +60°C
- without condensation and ice accretion	
Z: special conditions	3Z1
	3Z8
B: biological conditions	3B1
C: chemical active substances	3C2
S: mechanical active substances	3S1
M: mechanical conditions	3M2

Duration of significant humidity (from 85% to 95%, max. 40°C) 100 hours/year

The product must be protected from direct sunlight. The product is not resistant to the effects of petrol, diesel, oil and grease, also not against strong acids.

Technical parameters

Box dimensions		(180 × 182 × 111) mm
Distance between input and output pipe		218 mm
Pipes insertion depth	MHY 735	170 mm
Pipeline width		from 300 to 1500 mm
Pipes insertion depth	MHY 735.146	98 mm
Pipeline width		from 125 to 500 mm
Weight		200 g
Airflow speed in pipelines		(1 - 20) m/s

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