

Control

MFS-05

Time controlled filter controller

1. Features

The Filtration Group filter controller MFS-05 is an easy to operate time control.

Characteristics

- Inexpensive, compact design
- Cleaning with electrically isolated contact
- Instant cleaning with test switch
- Remote signalling by two defined relays: Operation/fault and cleaning optional available
- Remote access to parameters via an RS 485 port (read only) possible
- Worldwide distribution



2. Technical data

Housing

Material:	ABS
Design:	Dust-tight, max. 3x M32/M20 possible, ATEX Ex II 3D T60°C
Protection class:	IP 65
Operating temperature:	0 - 50 °C
Climatic category:	KWF acc. DIN 400040 (≤ 75 % relative humidity, no condensation allowed)

Control lamp

Operation:	LED green
Cleaning:	LED yellow
Fault:	LED red
Valve display:	LED red
Alarm threshold:	LED red

Electrical data

Electrical

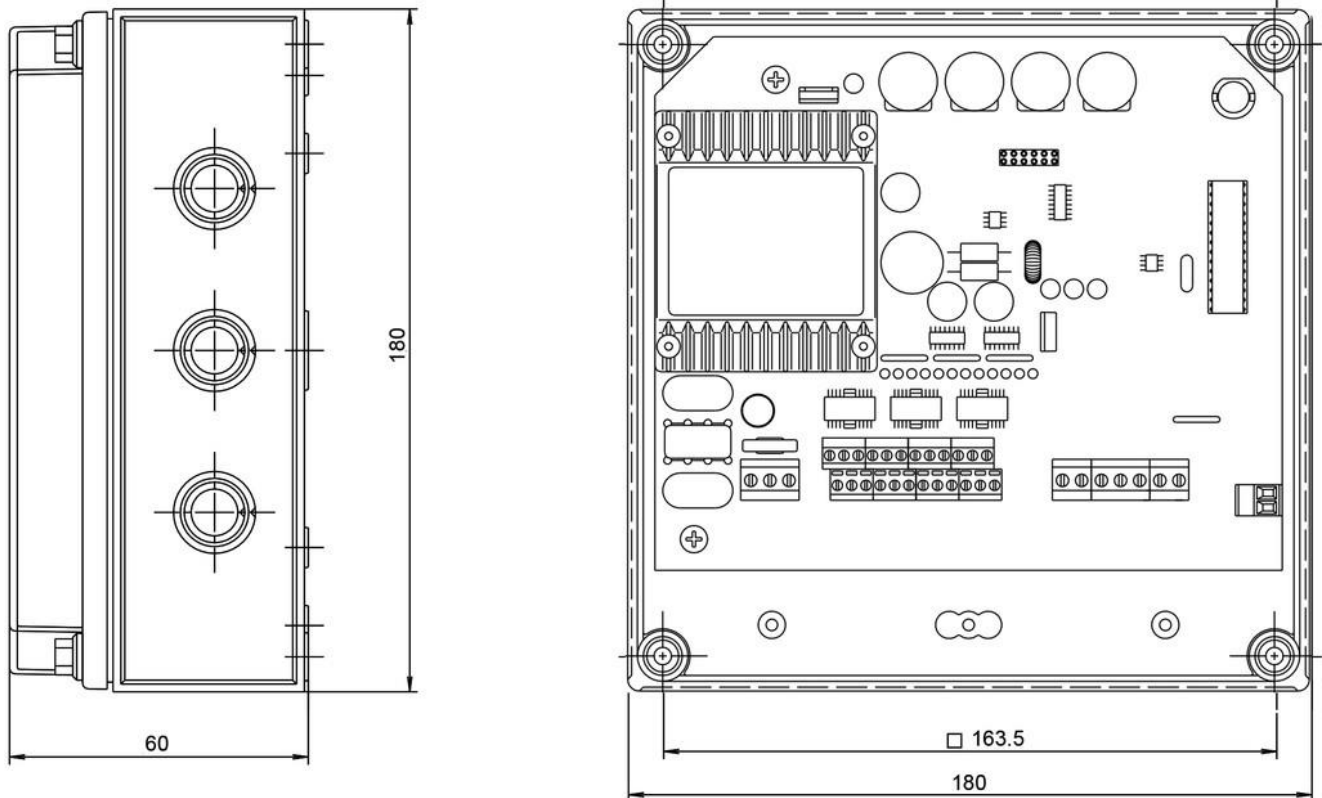
connection:	Terminal strip 2.5 mm ² /valve 1
Voltage (primary):	DC 24 V, AC 230 V/50-60 Hz
Tolerance:	± 10 %
Power:	42 W/30 VA
Mains fuse:	3.15 A time-lag/0.315 A time-lag
Valve outputs:	12 (extendable to 24)
Valve voltage:	DC 24 V
Tolerance:	± 10 %
Valve current:	1 A (for pulse time ≤ 1 s and interval time ≥ pulse time, otherwise 0.5 A)
Relay outputs:	Pin wiring DC 24 V/0.3 A, AC 250/5 A
(Version with 2 output relays)	1 change-over contact for operating/fault message (fail-safe circuit) 1 normally open for cleaning message
Inputs:	Start or dp input Enable (contact closed)/Stop (contact open) Instant cleaning Fault acknowledgement (button) dp switch (optional)

Technical data is subject to change without notice!

3. Order numbers

Order number	Type designation
79743071	MFS-05 DC 24 V, standard
79743477	MFS-05 DC 24 V, 2 relay outputs
79743055	MFS-05 AC 230 V, 50 - 60 Hz, standard
79742974	MFS-05 AC 230 V, 50 - 60 Hz, 2 relay outputs

4. Dimensions



5. Accessories

Order number	Designation
76109664	Valve extension 13 to 24
76186605	Replacement fuses for MFS-05 24 V, 3.15 A time-lag (pack of 5)
76186597	Replacement fuses for MFS-05 230 V, 0.315 A time-lag (pack of 5)

6. Default settings

The controller is delivered with a standard setting to facilitate optimum operation in almost any application. This setting should be checked when the controller is started up for the first time. A service expert can be called in if necessary to alter the setting in the field.

Comprehensive documentation for our product range, cleaning units and cartridges can be provided.

For more information about installation and operation, please refer to our Instruction Manual.

