

Success through flexibility.

TACTIC, FM, EMD



Universal time switches

Save energy with intelligent time switch technology.



Grässlin's state-of-the-art time switch technology makes life in residential, office, commercial and industrial buildings easier, safer and helps to save energy efficiently. The innovative products convince through self-explanatory menu navigation and problem-free installation.





Universal time switches from the tactic product range offer diverse use options both indoors and outdoors, for universal switching tasks in switching stations, in machine controls or specific solutions such as swimming pool or sprinkler system controls. Universal time switches and time switch modules are offered in digital and in analog versions. With their exemplary quality workmanship, Grässlin's universal time switches and time switch modules enable a broad spectrum of smart and energy saving applications.



Overview analog universal time switches / time switch modules

	tactic 111.1 Universal time switch	tactic 171.1 Universal time switch	tactic 211.1 Universal time switch	tactic 271.1 Universal time switch	FM/1 STuZH Time switch modul	FM/1 SWuZH Time switch modul	FM/1 QRTuZH Time switch modul	FM/1 QRWuZH Time switch modul
Product image								
Central European Time (CET)	–	–	–	–	–	–	–	–
Channels (Relais)	1	1	1	1	1	1	1	1
Connection voltage (Ord.-No.) 220-240 V/50-60 Hz 230 V AC/130 V DC 230 V/50-60 Hz 110-120 V/50-60 Hz 24 V AC/DC 12 V AC/DC 3,4 V DC	01.80.0001.1 01.80.0002.1	02.80.0001.1 02.80.0002.1	01.76.0088.1 01.76.0089.1	02.76.0075.1 02.76.0076.1				
Switching programs	daily program weekly program	daily program weekly program	daily program weekly program	daily program weekly program	daily program weekly program	daily program weekly program	daily program weekly program	daily program weekly program
Text programming	–	–	–	–	–	–	–	–
Weekday blocks	–	–	–	–	–	–	–	–
Memory spaces	–	–	–	–	–	–	–	–
Permanent ON/OFF	manual control	manual control	manual control	manual control	manual control	manual control	manual control	manual control
AM/PM Switch	–	–	–	–	–	–	–	–
Autom. summertime/ wintertime changeover	–	–	–	–	–	–	–	–
Synchronous drive	X	–	–	–	X	–	–	–
Quartz drive	–	–	X	–	–	–	X	–
Programmable every ...	15 min 2 h	15 min 2 h	15 min 2 h	15 min 2 h	15 min 2 h	15 min 2 h	15 min 2 h	15 min 2 h
Clock face	X	X	X	X	X	X	X	X
Running reserve	–	150 h	–	–	–	–	150 h	–
Further technical information	page 50	page 50	page 52	page 52	page 50	page 50	page 52	page 52

Overview digital universal time switches / time switch modules

tactic 371.1 plus tactic 372.1 plus Universal time switch		tactic 571.1 plus tactic 572.1 plus Universal time switch		FMD 120 Time switch modul	FMD 220 Time switch modul	FMD 150 Time switch modul	FMD 250 Time switch modul	EMD 120 Time switch modul
								
-		X		-		X		-
1	2	1	2	1	2	1	2	C-MOS
03.62.0001.1	03.62.0002.1	03.87.0001.1 03.87.0002.1	03.87.0003.1 03.87.0004.1 03.87.0005.1 03.87.0006.1	03.58.0017.1	03.58.0019.1	03.60.0001.1	03.60.0013.1	03.85.0003.1
daily, weekly program		daily, weekly program		daily, weekly program		daily, weekly program		daily, weekly program
-		X		-		X		-
single days or week day block formation predetermined		free		single days or week day block formation predetermined		free		single days or week day block formation predetermined
20		50		20		50		20
X		X		X		X		X
X		X		X		X		X
manual		automatic		manual		automatic		manual
-		-		-		-		-
-		-		-		-		-
-		-		-		-		-
-		-		-		-		-
10 years		10 years		10 years		10 years		10 years
page 54		page 54		page 56		page 56		page 56

Grässlin GmbH

Bundesstraße 36
D-78112 St. Georgen
Germany

Phone: +49 (0) 7724 / 933-0
Fax: +49 (0) 7724 / 933-240

www.graesslin.de
info@graesslin.de