

Control and automation

D Line digital time switches



1CSC400002F0202

D Line

Technical specifications D Line							
		D1	D1 PLUS	D1 SYNCHRO	D2	D2 PLUS	D2 SYNCHRO
Rated voltage	[V]	230 AC \pm 10%					
Rated pulsating voltage	[kV]	4					
Contact type		Contact relay in free exchange from potential					
Programming key		-	■	■	-	■	■
External input		-	■	-	-	■	-
DCF77 antenna		-	-	■	-	-	■
GPS antenna		-	-	■	-	-	■
Programming software		-	■	■	-	■	■
250 V contact capacity							
Ohm loads	[A]	16	16				
Inductive loads	[A]	10	2				
Rated frequency	[Hz]	50-60					
Time base		quartz					
Minimum switching	[sec.]	1					
Max programs per cycle	[n°]	64 (can be coupled in day blocks)					
Load reserve	[year]	6 from the first start-up (lithium battery)					
External input	[n°]	1		-	2		-
Activity suspension		From 1 day to 12 months					
Operating precision	[sec./day]	\pm 0.5					
Max. dissipated power	[VA]	6.5			7.8		
Max. switch power	[VA]	3500					
Incandescent lamps	[W]	3000					
Non-rephased fluorescent lamps	[W]	1100					
Fluorescent tube lamps rephased in parallel	[W]	900					
Fluorescent tube lamps with electronic reactor	[W]	7 \div 23 (max. 23 lamp.)					
Fluorescent tube LP power rephased in series	[W]	1100					
Protection grade	[IP]	20					
Max. terminal section	[mm²]	6					
Terminals		In positive safety with captive screw					
Tightening torque	[Nm]	0.5					
Installation type		DIN rail					
Operating temperature	[°C]	-5 ... +55					
Storage temperature	[°C]	-10 ... +65					
Modules	[n°]	2					
Reference standards		EN 60730-1; EN 60730-2-7					



D1

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Technical features Accessories for D Line

		D DCF77	D GPS
Rated supply voltage	[V]	230 AC $\pm 20\%$	
Rated frequency	[Hz]	50/60	
Power loss	[W]	0.1	2
Operating temperature	[°C]	-10...+70	-10...+40
Storage temperature	[°C]	-30...+90	-40...+85
Power consumption	[VA]	9.2	2
Time of the signal		1 sending / min.	min 30 sendings/hour; max 50 sendings/hour
Protection degree	[IP]	65	65
Max. number of connected devices	[No.]	10	10
Max. wiring length	[m]	1000	1000
Terminal size for cable	[mm ²]	0.5...2.5	0.5...2.5
Mounting		pole/wall	pole/wall

Technical features D 365 Line

		D 365	D 365 CE	D 365 LAN
Rated voltage Un	[V AC]	230	110..230	230
Contact type		2 NO/NC	2 NO/NC	-
Switching	ohmic loads	[A]	16	-
capacity	inductive loads	[A]	10	-
Rated frequency	[Hz]	50/60		
Power dissipation	[VA]	5		
Incandescent lamps	[W]	2600	2600	-
Halogen lamps	[W]	2600	2600	-
Compensated fluorescent lamps	[W]	1000	1000	-
Non-compensated fluorescent lamps	[W]	1000	1000	-
Time base		quartz	quartz	-
Minimum ON/OFF switching time	[sec.]	1	1	-
Max. no. of commands per cycle	[n°]	800	-	-
Pulse duration		1 sec ... 99 min	1 sec ... 99 min	-
Power reserve	[years]	10	-	-
Operating accuracy at 20 °C	[sec./day]	+1	+1	
Operating temperature	[°C]	-5...+55		
Ambient temperature	[°C]	-10...+55		
Degree of protection	[IP]	20		
Terminals		loss-proof screw		
Max. terminal cross-section	[mm ²]	4		
Sealable		yes		
Installation type		on DIN rail		
Modules	[n°]	3	2	3
Standards		EN 60730-1		

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D Line digital time switches



D1



D1 PLUS

Technical features Accessories for D 365 Line

		D 365 DCF77	D 365 GPS
Rated voltage Un	[V]	230 AC	230 AC / 24 DC
Rated frequency	[Hz]	50/60	50/60
Power dissipation	[mW]	3	3
Ambient temperature	[°C]	-20...+60	-25...+70
Degree of protection	[IP]	54	54
Max. distance from programmer	[m]	3000	3000
Installation		pole/wall	pole/wall

D Line digital time switches

The unique design, with white backlit LCD display, and extreme ease of use with two lines of text menu and only four buttons, make D LINE ideal to automate the installation functions. Thanks to the innovative management of time vacation, the D Line digital time switches allow the exclusion of the normal weekly program in one or more periods of several years or between two different years.

The range includes 1 and 2 channel versions, equipped with large capacity internal battery to maintain operation without power supply and permanent memory EEPROM, to avoid the risk of program loss and to maintain the date and time settings in the event of power failure, irrespective of its duration.

The "Plus" version can transfer different type of program by using a D KEY to be quickly copied in No digital time switches, avoiding the errors due to future modification. The "SYNCHRO" version can be coupled to the D DCF77 antenna, that allows an automatic synchronization of the digital time switch with the Frankfurt DCF77 time signal, or can be coupled to the D GPS antenna to allows synchronization received from the Global Positioning System.

The D Line is particularly useful in environments and situations where user management is required with a time schedule flexible enough to predict or exclude activities according to time and day of week or month.

Where to find more:

Worldwide Marks and Approvals of MDRs p.11/96
Time, Staircase Lights, Twilight Switches and Thermostats brochure (code 2CSC440020B0201)



Frequently asked question - FAQ:

A complete list of answers is available in the „Question and Answer“ section of Time, Staircase Lights, Twilight Switches and Thermostats brochure (code 2CSC440020B0201)



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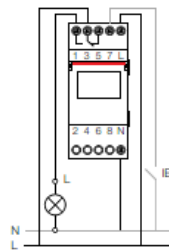
Channels no.	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
1	587637	D1	2CSM258763R0621		0.140	1
1	575832	D1 PLUS	2CSM257583R0621		0.140	1
1	574934	D1 SYNCHRO	2CSM257493R0621		0.140	1
2	563136	D2	2CSM256313R0621		0.140	1
2	775836	D2 PLUS	2CSM277583R0621		0.140	1
2	773634	D2 SYNCHRO	2CSM277363R0621		0.140	1

Accessories for D Line digital time switches

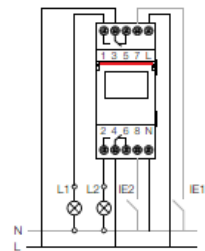
Version	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Programming key	771432	D KEY	2CSM277143R0621		0.005	1
Programming software	999737	D SW	2CSM299973R0621		0.020	1
DCF77 antenna	999836	D DCF77	2CSM299983R0621		0.150	1
GPS antenna	999935	D GPS	2CSM299993R0621		0.150	1

D digital time switches

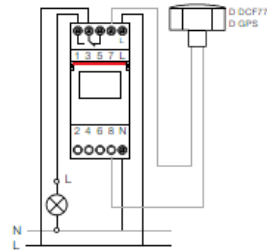
D1, D1 PLUS



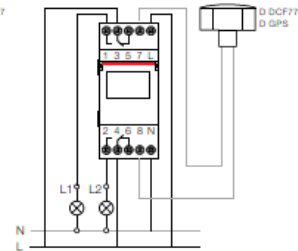
D2, D2 PLUS



D1 SYNCHRO



D2 SYNCHRO



D1, D1 PLUS, D2, D2 PLUS
D1 SYNCHRO, D2 SYNCHRO

