

Control systems for dynamic and dancing fountains

DMX SPLITTER 16 CH



DMX | 24 Vdc | 16 OUTPUT LINES

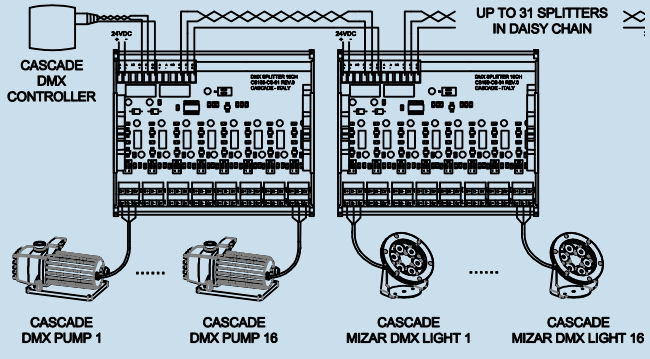
- 16 DMX output lines
- Optically isolated outputs
- Control by DMX protocol
- 24 Vdc power supply

The DMX SPLITTER 16 CH allows to reproduce the DMX signal received from the input bus to 16 output buses, unchanged and identical for all the outputs. This allows to connect on the same DMX network more than the standard 32 DMX devices permitted. Indeed, thanks to the DMX SPLITTER 16 CH, additional 31 standard DMX devices can be connected in daisy chain on each of the 16 output buses. A single DMX SPLITTER 16 CH allows to increase the DMX network by 16x31 other standard DMX devices, 496 in total.

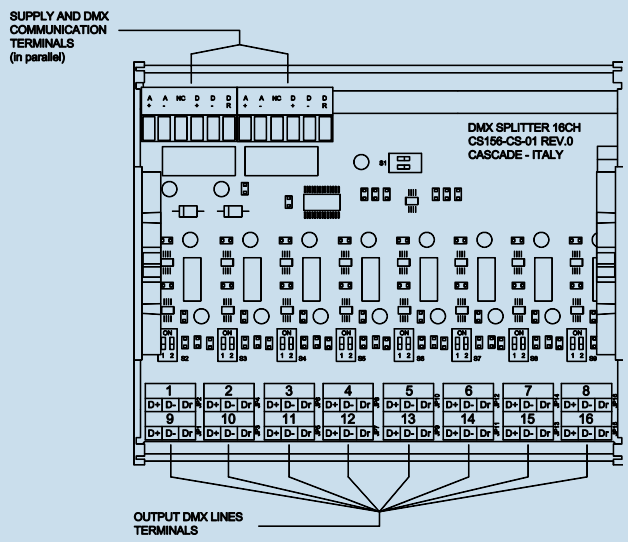
Thanks to the 16 optically isolated (in pairs) outputs, the DMX SPLITTER 16 CH guarantees high reliability of the DMX output data transmission, introducing a further degree of protection of the devices from disturbances that could otherwise propagate in the entire DMX network.

The device is supplied complete with a case suitable to be mounted on DIN guide.

APPLICATION



TERMINALS



		Minimum	Typical	Maximum
Supply voltage	V_{DC}	19	24	28
Supply current	mA		250	
Required power	VA		6	
Working temperature	°C	0		60
Storage temperature	°C	-20		100
Dimensions	mm		150x95x125 (LxHxD)	
Weight	gr		370	
Case material			Noryl UL 94 V-0	
Supply/communication/output terminals			250V - 5mm step - 2,5mm^2 (14AWG)	

TERMINATIONS		
Selector	Description	Notes
S1	Termination for DMX input line	With the two switches ON the termination is inserted. Insert only if the splitter is the last element in DMX input bus
S2	Terminations for DMX output lines 1 and 9	Switch 1 terminates line 1 Switch 2 terminates line 9
S3	Terminations for DMX output lines 2 and 10	Switch 1 terminates line 2 Switch 2 terminates line 10
S4	Terminations for DMX output lines 3 and 11	Switch 1 terminates line 3 Switch 2 terminates line 11
S5	Terminations for DMX output lines 4 and 12	Switch 1 terminates line 4 Switch 2 terminates line 12
S6	Terminations for DMX output lines 5 and 13	Switch 1 terminates line 5 Switch 2 terminates line 13
S7	Terminations for DMX output lines 6 and 14	Switch 1 terminates line 6 Switch 2 terminates line 14
S8	Terminations for DMX output lines 7 and 15	Switch 1 terminates line 7 Switch 2 terminates line 15
S9	Terminations for DMX output lines 8 and 16	Switch 1 terminates line 8 Switch 2 terminates line 16

SUPPLY AND DMX COMMUNICATION INPUT TERMINALS	
TERMINAL	**DESCRIPTION**
A+	24V supply+
A-	24V supply -
NC	Not used
D+	DMX+
D-	DMX-
D_R	DMX line reference

OUTPUT DMX LINES TERMINALS		
TERMINAL BLOCK	**TERMINALS (FROM LEFT TO RIGHT)**	**DESCRIPTION**
JP1	D+, D-, D_R	DMX output line 9
JP2	D+, D-, D_R	DMX output line 1
JP3	D+, D-, D_R	DMX output line 10
JP4	D+, D-, D_R	DMX output line 2
JP5	D+, D-, D_R	DMX output line 11
JP6	D+, D-, D_R	DMX output line 3
JP7	D+, D-, D_R	DMX output line 12
JP8	D+, D-, D_R	DMX output line 4
JP9	D+, D-, D_R	DMX output line 13
JP10	D+, D-, D_R	DMX output line 5
JP11	D+, D-, D_R	DMX output line 14
JP12	D+, D-, D_R	DMX output line 6
JP13	D+, D-, D_R	DMX output line 15
JP14	D+, D-, D_R	DMX output line 7
JP15	D+, D-, D_R	DMX output line 16
JP16	D+, D-, D_R	DMX output line 8