



Control systems for dynamic and dancing fountains

## DMX SPLITTER 16 CH



DMX

24 Vdc

16  
OUTPUT  
LINES

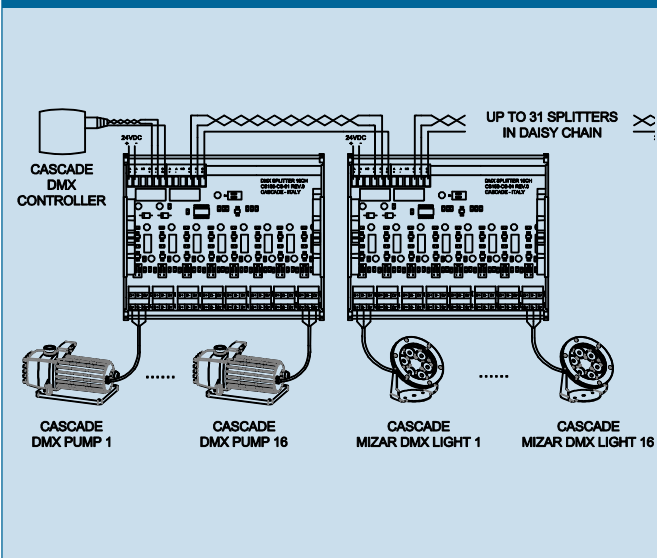
- 16 DMX output lines
- Optically isolated outputs
- Control by DMX protocol
- 24 Vdc power supply

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.

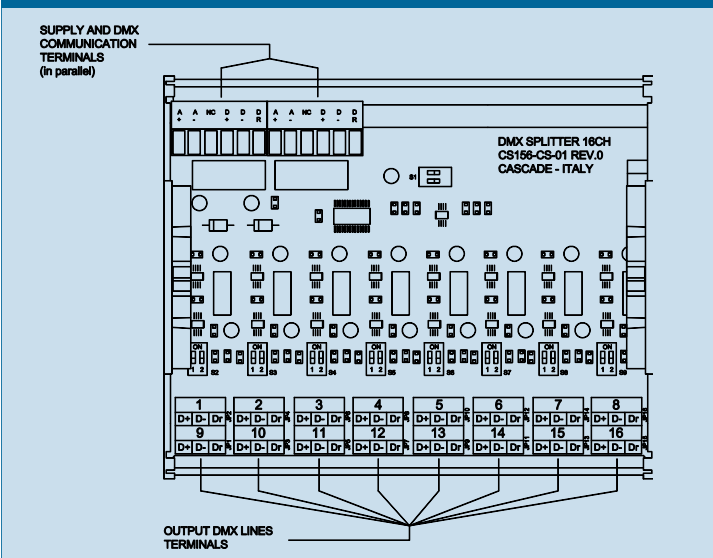
Thanks to the 16 optically isolated (in pairs) outputs, the DMX SPLITTER 16 CH guarantees high reliability of the DMX output data transmission, introducing a further degree of protection of the devices from disturbances that could otherwise propagate in the entire DMX network.

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

### APPLICATION



### TERMINALS



|                                       |                 | MINIMUM | TYPICAL                                      | MAXIMUM |
|---------------------------------------|-----------------|---------|--|---------|
| SUPPLY VOLTAGE                        | V <sub>DC</sub> | 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 <sup>2</sup> (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<br>Switch 2 terminates line 9   |
| S3           | Terminations for DMX output lines 2 and 10 | Switch 1 terminates line 2<br>Switch 2 terminates line 10  |
| S4           | Terminations for DMX output lines 3 and 11 | Switch 1 terminates line 3<br>Switch 2 terminates line 11  |
| S5           | Terminations for DMX output lines 4 and 12 | Switch 1 terminates line 4<br>Switch 2 terminates line 12  |
| S6           | Terminations for DMX output lines 5 and 13 | Switch 1 terminates line 5<br>Switch 2 terminates line 13  |
| S7           | Terminations for DMX output lines 6 and 14 | Switch 1 terminates line 6<br>Switch 2 terminates line 14  |
| S8           | Terminations for DMX output lines 7 and 15 | Switch 1 terminates line 7<br>Switch 2 terminates line 15  |
| S9           | Terminations for DMX output lines 8 and 16 | Switch 1 terminates line 8<br>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 <sub>R</sub> | DMX line reference |

### OUTPUT DMX LINES TERMINALS

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