



16-Channel Digital Output Simulator (SFE-DOS-16R)



Spectro-Flux Digital Output Simulator is a device designed for the functional testing and simulation of Contact Outputs of a Digital Control System such as a PLC or DCS. The Simulator Model SFE-DOS-016 has been provided with 16 Miniature Lamps (LED's) to indicate the status of 16 No.s of

Contact Outputs. This device could be kept on tabletop, mounted on a 19" industrial rack or stacked along with similar simulators to form a combo-unit of your choice.

The simulator box has 2 No.s of DB25 female connectors (*J1* & *J2*) on the back side for connecting multi-core cables coming from the digital output card. 20-Core, 10-Metre pre-fabricated cables are supplied along with the equipment as optional accessories. The cable has DB25-Male connector on one end for mating with the simulator box. The other end has been stripped-off and provided with cable lugs which could be connected to the standard screw-type terminal blocks of an I/O card. Tag Number Identification Labels could be pasted on a transparent plastic sheet attached in front of the simulator box.

A particular LED will go ON when the corresponding output contact is CLOSED and go OFF when the contact is OPEN. The LED's will source the required 24VDC voltage from the Digital Output Cards. In case of 'DRY' contact outputs, an external 24VDC potential should be introduced in the loop.

- Industrial Quality ✧
- PCB Based Design ✧
- Ease of Maintenance ✧
- Stackable ✧
- Desktop Mountable ✧
- 19" Rack Mountable ✧

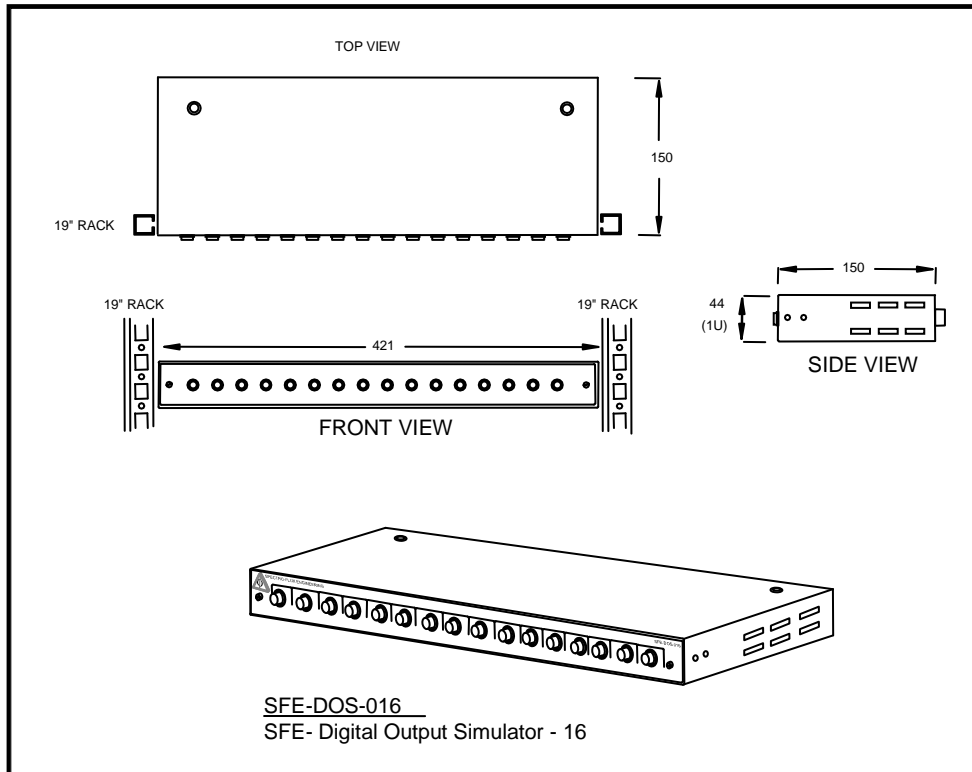


Accessories shown in the photograph may not be part of the original equipment.

Model SFE-DIS-16R has a built-in 24VDC SMPS to provide a potential in the circuit, if required. A relay switching mechanism will automatically turn-off this power, if it senses a potential coming



from the system side. Shunt Resistors are also provided across every LED for line-monitoring applications.



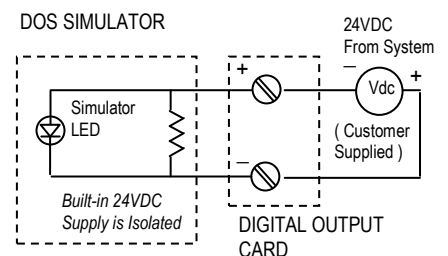
Dimensions in MM

Specifications :

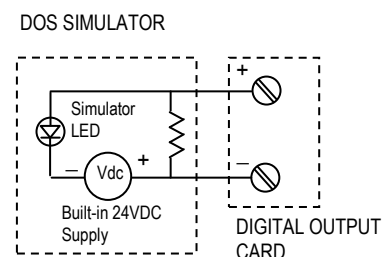
Body : 1.2MM, CRCA, Powder Coated.
 Overall Size : 421MM X 44MM X 150MM
 Color : Silver Ash Grey, HN35M (Varies between Models)
 Weight : Around 3Kg
 Operating Voltage : 24VDC
 Output connections
 : DB25 Female : 2 No.s
 : 24VDC/220VAC Connectors
 Mounting : Table top or 19" Rack mountable
 Environmental : Class G1 (Mild). For internal use only.

Optional Accessories :

Brackets for stacking
 Brackets for 19" rack mounting
 10M, 20Core Test Cable
 19" Pedestal on wheels



SIMULATOR SOURCING POWER FROM DO CARD



SIMULATOR EXTERNALLY POWERED



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