



DLS3 2 Channel 4-20mA Analog Output Module

The DLS3 control add-on module device generates 2 output analog signals and is easily integrated with any unit utilizing a DLS3 control. The module communicates with the DLS3 control via RS485 (pre-configured). It is possible to generate voltage signals up to 10V and current signals up to 20mA, both active or passive loops.

The device guarantees high accuracy and stable measure versus time and temperature. It is housed in a rugged self-extinguishing plastic enclosure which can be easily mounted on an EN-50022 standard DIN rail.



Features

- 2 output channels (Configured as level or temperature, or other variable upon request)
- Outputs configurable as Voltage or Current
- Configurable through DLS3 control display or RS485.
- LED indication for easy identification of unit status
- High accuracy
- DIN rail mounting in compliance with EN-50022

USER INSTRUCTIONS

Mount the device on standard DIN rail somewhere near the unit. Power the unit with the provided power supply. Connect the RS485 cable to the RJ12 RS485 port on the back of the freezer. Configure the module for passive or active output or voltage output on the DLS3 control display. Wire your outputs.

TECHNICAL SPECIFICATIONS (TYPICAL @ 25 °C AND IN THE NOMINAL CONDITIONS)

OUTPUT (2 CHANNELS)			WIRING DIAGRAMS		
Output Type	Min	Max	Active Connection Passive Connection Voltage Connection		
Current mA	0 mA	+20 mA			
Voltage Volt	0 V	+10 V			
Output Accuracy					
Current @ 25°C		± 2 uA			
Voltage @ 25°C		± 10 mV			
Thermal drift					
Current		± 1 uA / °C			
Load resistance					
Voltage		≥ 5 KΩ			
Current		≤ 500 Ω			
GENERAL SPECIFICATIONS			LED INDICATIONS		
Power supply voltage Power 18 Vdc			LED 123		
Adapter Input Range 100-240 AC, 47 to 63Hz					
ENVIRONMENTAL CONDITIONS					
Operative temperature -10°C .. +40°C					
Storage temperature Humidity -10°C .. +40°C					
Humidity (not condensing) 10% .. 90%					
Maximum Altitude 2000 m					
Installation Indoor					
Category of Installation II					
Pollution Degree 2					
Material Self-extinguish plastic					
IP Code IP20					
Wiring wires with diameter 0.8÷2.1 mm²					
AWG14-18					
Tightening Torque 0.5 N m					
Mounting					