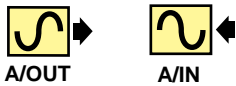


DRA-MDM-11 Analog Multiplexer/Demultiplexer System



\$1425

- ✓ Transfer up to Sixteen 4-20 mA Process Current Loop Signals Accurately Via a Single Pair of Wires
- ✓ Saves Cable and Installation Costs
- ✓ ± 0.1% Accuracy
- ✓ Failure Alarm
- ✓ Solid-State Technology

The DRA-MDM-11 is a mux/demux system which transfers analog information accurately via a single pair of wires. The multiplexer unit (DRA-M-11) accepts up to sixteen 4-20 mA process current inputs. The multiplexed inputs are transferred to the demultiplexer unit (DRA-DM-11) at a scan rate of up to 1000 channels/sec up to a distance of 2 kilometers (1.2 miles).

At the demultiplexer the current outputs are reproduced in the same order and magnitude as the inputs. The demultiplexer is provided with an alarm (flashing LED and dry contact output) which is operated whenever there is any interruption in communication due to mux failure, cable discontinuity or short-circuit. Use of the DRA-MDM-11 mux/demux system enables a considerable reduction in cabling costs for a new installation or considerable expansion of analog data transfer capability in an existing installation.

Specifications

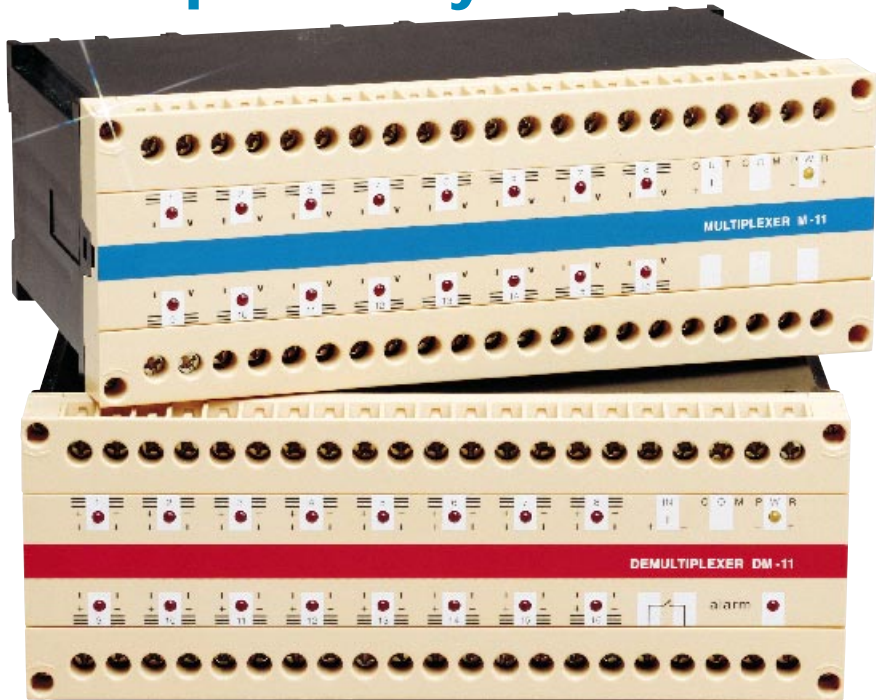
DRA-MDM-11 MUX/DEMUX SYSTEM

Accuracy: ±0.1% of span typical; ±0.25% of span max

Communications Cable: 2 wire

Operating Ambient: 0 to 70°C (32 to 158°F) 5 to 95% RH, noncondensing

Storage Temperature: -25 to 85°C (-13 to 185°F)



MECHANICAL (TYPICAL FOR DRA-M-11 MULTIPLEXER & DRA-DM-11 DEMULTIPLEXER)

Enclosure: polycarbonate

Mounting: standard 35 mm DIN rail or wall mount

Weight: 0.7 kg (1.5 lb)

Dimensions: 73 H x 200 W x 121 mm D (2.88" x 7.88" x 4.76")

DRA-M-11 MULTIPLEXER

Inputs: sixteen, 4-20 mA process current

Addition to Loop Resistance: 360 Ohms

V - Transmitter Supply: Vsupply' - 1 Vdc

Output: multiplexed current loop

Scan Rate: 250, 500, 1000 channels/sec (selectable) for distance of 2000, 1000 and 500 meters respectively

Supply Voltage: 24 Vdc ±10% regulated

Indicators: 16 red LEDs for current inputs, one yellow power on LED

Current Consumption: 20 mA max

DRA-DM-11 DEMULTIPLEXER

Input: multiplexed current loop

Analog Outputs: sixteen, 4-20 mA continuous current loops

Alarm Output: dry contact (closed on alarm), rated 1A @ 230 Vac

Scan Rate: 250, 500, 1000 channels/sec (selectable) for distance of 2000, 1000 and 500 meters respectively

Indicators: 16 red LEDs for output currents, one yellow power on LED, one red alarm LED

Current Consumption: 500 mA max (including output currents)

Supply Voltage: 24 Vdc ±10% regulated

To Order (Specify Model Number)

| Model No. | Price | Description |
|-------------|--------|--|
| DRA-MDM-11 | \$1425 | Analog multiplexer/demultiplexer system |
| DRN-PS-1000 | 150 | Power supply, 95-240 Vac input, 24 Vdc @ 1A output |

Comes with complete operator's manual. Includes both DRA-M-11 multiplexer and DRA-DM-11 demultiplexer.

Ordering Example: DRA-MDM-11 multiplexer/demultiplexer system with two DRN-PS-1000 power supplies, \$1425 + 2(150) = \$1725.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters